Author Index
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KEY TO ABBREVIATIONS USED FOR ARTICLE CLASSIFICATION

* = Original Article	CV = Current Review	PA = Presidential Address
AB = Abstract	DI = Discussion	RE = Report
AN = Announcement	ED = Editorial	RV = Review of Recent Books
CR = Case Report	HW = How to Do It	SH = Our Surgical Heritage
CP = Correspondence	IC = Invited Commentary	TR = Tribute
CT = Collective Review	KR = Key References	UP = Update

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Adamson RM. *see* Daily, Adamson, & others. 1996;61:679–83*

Addonizio LJ. *see* Chen, Levin, & others. 1996;61:305–10*

Addonizio VP. Insights into thromboembolism and bleeding. 1996;61:374–5*

Aeschbacher B. *see* Carrel, Zingg, & others. 1996;61:1418–22*

Agapitos EB. *see* Nanas, Nanas, & others. 1996;61:629–34*

Aggarwal SK MCh. *see* Tewari & Aggarwal. 1996;61:1721–3*

Aguiar LF. *See* Buffolo, Silva de Andrade, & others. 1996;61:63–6*

Ahmad A. *see* Vlessis, Hovaguimian, & others. 1996;61:1217–22*

Aikawa H. *see* Sugita, Aikawa, & others. 1996;61:1821–3,CR

Akasaka T. *see* Nasu, Akasaka, & others. 1996;61:1242–4,CR

Akins CW. Long-term results with the Medtronic-Hall valvular prosthesis. 1996;61:806–13*

Akins CW. *see* Calafiore, Di Giammarco, & others. 1996;61:1658–65,DI

Akl BF. *see* Groom, Hill, & others. 1996;61:773–4,CP

Akomea-Agyin C, Dussek JE, Anderson DR, Hartley RB. Pulmonary artery sarcoma mimicking pulmonary embolism: successful surgical intervention. 1996;61:1536–8,CR

Alarcón EC. *see* Gyhra, Santander, & others. 1996;61:1840–1,CR

Alboliras ET. *see* Muster, Mavroudis, & others. 1996;61:823–8*

Alboliras ET. *see* Muster, Mavroudis, & others. 1996;61:828,IC

Alcorta C. *see* Loh, Alcorta, & McElhinney. 1996;61:1003–5,CR

Aldridge RD. *see* Gordon & Aldridge. 1996;61:1514–6,CR

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Al-Khalili F. *see* Bitkover, Al-Khalili, & others. 1996;61:710–1,CR

Al-Kutoubi A. *see* Cohen, Beaconsfield, & others. 1996;61:1257–9,CR

Allen CT. *see* Lawton, Harrington, & others. 1996;61:1680–8*

Allen HD. *see* Davis, Teske, & others. 1996;61:229–31,CR

Allen MD. Early pulmonary homograft failure from dilatation due to distal pulmonary artery stenosis. 1996;61:236–7,IC

Allen MD. *see* Fiore, Misbach, & others. 1996;61:271–2,UP

Allen MS. *see* Cerfolio, Deschamps, & others. 1996;61:1458–63*

Allen MS. *see* Krasna, Deshmukh, & McLaughlin. 1996;61:1066–9,DI

Alling C. *see* Westaby, Johnsson, & others. 1996;61:88–92*

Almassi GH. *see* Nicolosi, Almassi, & others. 1996;61:875–8*

Alonso C. *see* Birdi, Regragui, & others. 1996;61:118–23*

Alsoufiev AL. *see* Despotis, Alsoufiev, & others. 1996;61:795–9*

Alwan K. *see* Chocron, Etievent, & others. 1996;61:153–7*

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Amato-Neto V. *see* Bocchi, Bellotti, & others. 1996;61:1727–33*

Amrani M, Corbett J, Boateng SY, Dunn MJ, Yacoub MH. Kinetics of induction and protective effect of heat-shock proteins after cardioplegic arrest. 1996;61:1407–12*

Anderson DR. *see* Akomea-Agyin, Dussek, & others. 1996;61:1536–8,CR

Anderson JM Jr. *see* Gitter, Anderson, & Jett. 1996;61:1367–71*

Anderson JR. *see* Hossein-Nia, Holt, & others. 1996;61:277–8,CP

Anderson RP. *see* Crawford, Anderson, & others. 1996;61:12–6*

Ando K. *see* Schmid, Yamashita, & others. 1996;61:949–55*

Ando K. *see* Yamashita, Schmid, & others. 1996;61:1055–61*

January issue, pp 1–498; February issue, pp 499–778; February supplement, pp S1–S34; March issue, pp 779–1044; April issue, pp 1045–1294; May issue, pp 1295–1600; June issue, 1601–1950.

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Andrezej AW. *see* Peek, Firmin, & others. 1996;61:1851–2,HW
Andrus CH. *see* Naunheim, Landreneau, & others. 1996;61:1062–5*
Angaramo G. *see* Angelillo Mackinlay, Lyons, & others. 1996;61:1626–30*
Angelillo Mackinlay TA, Lyons GA, Chimondeguy DJ, Piedras MAB, Angaramo G, Emery J. VATS debridement versus thoracotomy in the treatment of loculated postpneumonia empyema. 1996;61:1626–30*
Angelini GD. *see* Birdi, Izzat, & others. 1996;61:1573–81,CV
Angelini GD. *see* Birdi, Regragui, & others. 1996;61:118–23*
Angelini GD. *see* Jeremy, Izzat, & others. 1996;61:143–8*
Antoine M. *see* Wan, DeSmet, & others. 1996;61:674–8*
Antona C, Parolari A, Zanobini M, Arena V, Biglioli P. Midterm angiographic study of five recycled mammary arteries during four coronary redos. 1996;61:702–5*
Antona C. *see* Pompilio, Polvani, & others. 1996;61:667–73*
Aoki M. *see* Yagi, Hirata, & others. 1996;61:521–4*
Aoyagi S. *see* Fukunaga, Egashira, & others. 1996;61:1292,CP
Apfelbaum M. *see* Burkhoff, Fisher, & others. 1996;61:1532–5,CR
Appelbaum A. *see* Talmor, Caspi, & others. 1996;61:1835–6,CR
Arai T. *see* Yokoi, Miyazawa, & Arai. 1996;61:546–51*
Aranki SF. Infective endocarditis: ten-year review of medical and surgical therapy. 1996;61:1222,IC
Aravot DJ, Wells FC, Large SR, Wallwork J. Alternative method for cardiac transplantation: surgical considerations and technical aspects. 1996;61:1549–51,HW
Arena V. *see* Antona, Parolari, & others. 1996;61:702–5*
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Arusoglu L. *see* Körfer, El-Banayosy, & others. 1996;61:314–6*
Asano T. *see* Harada, Sasaki, & others. 1996;61:104–12*
Asou T, Kado H, Imoto Y, Shiokawa Y, Tominaga R, Kawachi Y, Yasui H. Selective cerebral perfusion technique during aortic arch repair in neonates. 1996;61:1546–8,HW
Atamanyuk MY. *see* Knyshov, Sitar, & others. 1996;61:935–9*
Attar S. *see* Copeland, Hetzer, & others. 1996;61:372–3*
Attar S. *see* Foy, Pennington, & others. 1996;61:311–3*
Attar S. *see* Gillinov, Shah, & others. 1996;61:1125–30,DI
Attar S. *see* Katsaros, Petricevic, & others. 1996;61:1131–5,DI
Attar S. *see* Schor, Yerlioglu, & others. 1996;61:1339–41,DI
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Austin EH III. *see* Mavroudis, Backer, & others. 1996;61:1330–8,DI
Austin JHM. *see* Downey, Austin, & others. 1996;61:988–90,CR
Avenia N. *see* Puma, Avenia, & others. 1996;61:525–9*
Azizkhan RG. *see* Haller, Colombani, & others. 1996;61:1618–25*
Azorin J. *see* Jancovici, Lang-Lazdunski, & others. 1996;61:533–7*

Bacal F. *see* Bocchi, Bellotti, & others. 1996;61:1727–33*
Baciewicz FA Jr. Reducing aortic root bleeding. 1996;61:1587,CP
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Backer CL. Two-patch repair of atrioventricular canal. Reply. 1996;61:1589–90,CP
Backer CL. *see* Mavroudis, Backer, & others. 1996;61:1330–8*
Backer CL. *see* Muster, Mavroudis, & others. 1996;61:823–8*
Backer CL. *see* Muster, Mavroudis, & others. 1996;61:828,IC
Bahrami S. *see* Cremer, Martin, & others. 1996;61:1714–20*
Bailey CM. *see* Jacobs, Haw, & others. 1996;61:1824–7,CR
Bailey LL. *see* Eke, Gundry, & others. 1996;61:783–8*
Bailey LL. *see* Gundry, Wang, & others. 1996;61:33–5*
Bains MS. *see* Amar, Burt, & others. 1996;61:1506–9*
Baisden CE. *see* Arom, Emery, & others. 1996;61:1136–40,DI
Baisden CE. *see* Elkins, Knott-Craig, & Howell. 1996;61:1141–5,DI
Baldeyrou P. *see* Grunenwald, Mazel, & others. 1996;61:1878–9,CP
Baldeyrou P. *see* Grunenwald, Mazel, & others. 1996;61:723–6,CR
Ball JW Jr.. *see* Foy, Pennington, & others. 1996;61:311–3*
Ball JW Jr. *see* Noon, Ball, & Short. 1996;61:291–5*
Bambang SL. *see* Miyama, Dihmis, & others. 1996;61:817–22*
Bando T. *see* Wada, Fukuse, & others. 1996;61:963–8*
Bando T. *see* Wada, Liu, & others. 1996;61:1099–105*
Banerjee A. *see* Cleveland, Meldrum, & others. 1996;61:760–8,CV
Banerjee A. *see* Meldrum, Cleveland, & others. 1996;61:1273–80,CV
Bannon MP. *see* McDonald, Orszulak, & others. 1996;61:1024–9,CV
Barman D. *see* van Doorn, Bhabra, & others. 1996;61:603–9*
Barr ML. *see* Prendergast, Ortega, & others. 1996;61:735–7,CR
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Barsotti A. *see* Calafiore, Giammarco, & others. 1996;61:1658–65*
Bartel T. *see* Borges, Witt, & others. 1996;61:1163–7*
Bartels C, Bechtel M, Winkler C, Horsch S. Quality of retransfused blood: whole blood versus cell separation. 1996;61:279–80,CP
Bassi F. *see* Di Simone, Felice, & others. 1996;61:1106–11*
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Baufreton C. *see* Jansen, Baufreton, & others. 1996;61:1363–6*
Baum MF. *see* Eke, Gundry, & others. 1996;61:783–8*
Baumann G. *see* Borges, Witt, & others. 1996;61:1163–7*
Baumgartner WA. *see* Eke, Gundry, & others. 1996;61:783–8,DI
Baumgartner WA. *see* Gillinov, Shah, & others. 1996;61:1125–30*
Baumgartner WA. *see* Redmond, Greene, & others. 1996;61:42–7*
Bavaria JE. *see* DeBoer, Margolis, & others. 1996;61:1261–2,CR
Bayazit K. *see* Taşdemir, Küçükaksu, & others. 1996;61:1589,CP
Bazaz S. *see* Malhotra, Bedi, & others. 1996;61:124–7*
Beaconsfield T. *see* Cohen, Beaconsfield, & others. 1996;61:1257–9,CR
Beall AC Jr. *see* Nahas, Jones, & others. 1996;61:737–8,CR
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Bechtel M. *see* Bartels, Bechtel, & Winkler. 1996;61:279–80,CP
Becket JM. *see* Ohri, Paratt, & others. 1996;61:1223–30*
Bedi HS. *see* Malhotra, Bedi, & others. 1996;61:124–7*
Bedoni M. *see* Mezzetti, Dell'Agnola, & others. 1996;61:1836–8,CR
Beggs V. *see* Sanders & Beggs. 1996;61:656,RV
Behrendt DM. *see* Zbar, Chen, & others. 1996;61:814–6*
Belden JR. *see* Bojar, Payne, & others. 1996;61:1389–93*
Bell EF. *see* Zbar, Chen, & others. 1996;61:814–6*
Bell KA. *see* DeBoer, Margolis, & others. 1996;61:1261–2,CR

Bell TJ. *see* DeLeon, Tuchek, & others. 1996;61:234–7,CR
Bell TJ. *see* Vitullo, DeLeon, & others. 1996;61:1797–804*
Bellotti G. *see* Bocchi, Bellotti, & others. 1996;61:1727–33*
Benckart DH. *see* Magovern, Sakert, & others. 1996;61:27–32*
Bender HW Jr. *see* Hoff, Merrill, & others. 1996;61:1689–92*
Benetti F. *see* Calafiore, Di Giammarco, & others. 1996;61:1658–65,DI
Benfield JR. Metamorphosis. 1996;61:1045–50,PA
Benfield JR. The tyranny of managed care. 1996;61:6–7,PP
Benfield JR. *see* Edelman, Gandara, & others. 1996;61:1564–72,CV
Bennett G. *see* Taggart, Jenkins, & others. 1996;61:829–33*
Benvenuti C. *see* Loisance, Pouillart, & others. 1996;61:388–90*
Berdjis F, Wells WJ, Starnes VA. Truncus arteriosus with total anomalous pulmonary venous return and interrupted arch. 1996;61:220–2,CR
Berdjis F. *see* Wells, Prendergast, & others. 1996;61:1168–71*
Berdusis K. *see* Muster, Mavroudis, & others. 1996;61:823–8*
Berdusis K. *see* Muster, Mavroudis, & others. 1996;61:828,IC
Berger F. *see* Alexi-Meskishvili, Uhlemann, & others. 1996;61:1518–20,CR
Bergsland J. *see* Salerno, Bergsland, & others. 1996;61:706–7*
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Bernstein AD. *see* Parsonnet & Bernstein. 1996;61:1879–80,CP
Bernstein AD. *see* Parsonnet, Bernstein, & Gera. 1996;61:52–7
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Berrizbeitia LD. *see* Cane, Berrizbeitia, & others. 1996;61:1845–7,CR
Berry TE. *see* Vitullo, DeLeon, & others. 1996;61:1797–804*
Bertel O. *see* Laske, Jenni, & others. 1996;61:48–57*
Berthiot G. *see* Grunenwald, Mazel, & others. 1996;61:723–6,CR
Bertrand PC, Regnard J-F, Spaggiari L, Levi J-F, Magdeleinat P, Guibert L, Levasseur P. Immediate and long-term results after surgical treatment of primary spontaneous pneumothorax by VATS. 1996;61:1641–5*
Beşirli K. *see* Tüzün, Hamuryudan, & others. 1996;61:733–5,CR
Besnerais PL. *see* Jansen, Baufreton, & others. 1996;61:1363–6*
Betsill WL Jr. *see* Taylor, Fowler, & others. 1996;61:726–8,CR
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Bhabra MS. *see* van Doorn, Bhabra, & others. 1996;61:603–9*
Bhayana JN. *see* Salerno, Bergsland, & others. 1996;61:706–7*
Bhutani MS. *see* Silvestri, Hoffman, & others. 1996;61:1441–6*
Bichell DP. *see* Gates, Bichell, & others. 1996;61:730–3,CR
Bidstrup BP. Monitoring of systemic anticoagulation during cardiopulmonary bypass. 1996;61:781–2,ED
Bigio MRD MD. *see* Ye, Yang, & others. 1996;61:1316–22*
Biglioli P. *see* Antona, Parolari, & others. 1996;61:702–5*
Biglioli P. *see* Pompilio, Polvani, & others. 1996;61:667–73*
Binns OAR. *see* DeLima, Binns, & others. 1996;61:973–8*
Binns OAR. *see* Thies, Corbin, & others. 1996;61:1453–7*
Birdi I, Izzat MB, Bryan AJ, Angelini GD. Normothermic techniques during open heart operations. 1996;61:1573–81,CV
Birdi I, Regragui IA, Izzat MB, Alonso C, Black AMS, Bryan AJ, Angelini GD. Effects of cardiopulmonary bypass temperature on pulmonary gas exchange after coronary artery operations. 1996;61:118–23*
Birk E. *see* Mishaly, Birk, & others. 1996;61:1811–5*
Birkett SD. *see* Jeremy, Izzat, & others. 1996;61:143–8*
Birnbaum DE. *see* Wahba, Rothe, & others. 1996;61:1590–1,CP
Bitkover CY, Al-Khalili F, Ribeiro A, Liska J. Surviving resuscitation: successful repair of cardiac rupture. 1996;61:710–1,CR
Black AMS. *see* Birdi, Regragui, & others. 1996;61:118–23*
Black MD. *see* Rajasinghe, Reddy, & others. 1996;61:840–4*
Blackshear JL, Odell JA. Appendage obliteration to reduce stroke in cardiac surgical patients with atrial fibrillation. 1996;61:755–9,CV
Blackshear JL. *see* Odell, Blackshear, & others. 1996;61:565–9*
Blackstone EH. Outcome analysis using hazard function methodology. 1996;61:S2–7*
Blome-Eberwein SA, Mrowinski D, Hofmeister J, Hetzer R. Impact of mechanical heart valve prosthesis sound on patients' quality of life. 1996;61:594–602*
Blomqvist S. *see* Westaby, Johnsson, & others. 1996;61:88–92*
Blumenthal JA. *see* Mahanna, Blumenthal, & others. 1996;61:1342–7*
Boateng SY. *see* Amrani, Corbett, & others. 1996;61:1407–12*
Bocchi EA, Bellotti G, Mocelin AO, Uip D, Bacal F, Higuchi ML, Amato-Neto V, Fiorelli A, Stolf NAG, Jatene AD, Pileggi F. Heart transplantation for chronic Chagas' heart disease. 1996;61:1727–33*
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Boineau JP. Atrial activation during chronic atrial fibrillation in patients with isolated mitral valve disease. 1996;61:111–2,IC
Boineau JP. *see* Gandhi, Bromberg, & others. 1996;61:1299–309*
Boineau JP. *see* Gandhi, Bromberg, & others. 1996;61:1666–79*
Bojar RM, Payne DD, Murphy RE, Schwartz SL, Belden JR, Caplan LR, Rastegar H. Surgical treatment of systemic atheroembolism from the thoracic aorta. 1996;61:1389–93*
Bolling SF. *see* Oeltgen, Horten, & others. 1996;61:1488–93*
Bolling SF. *see* Pagani, Polito, & Bolling. 1996;61:1841–3,CR
Bolman RM III. *see* Sielaff, Everett, & others. 1996;61:99–103*
Bolooki H. Arterial impedance in patients during intraaortic balloon counterpulsation. 1996;61:894,IC
Bolton JWR. Traumatic tricuspid valve injury: leaflet resuspension repair. 1996;61:721–2,CR
Bolys R. *see* Ingemansson, Budrikis, & others. 1996;61:1413–7*
Bonchek LI, Burlingame MW, Vazales BE, Lundy EF. Maximal utilization of the left internal mammary artery for coronary bypass grafting. 1996;61:1848–9,HW
Bonchek LI. *see* Calafiore, Di Giammarco, & others. 1996;61:1658–65,DI
Bonchek LI. *see* Klemperer, Klein, & others. 1996;61:1323–9,DI
Bonilla JJ. *see* Vitullo, DeLeon, & others. 1996;61:1797–804*
Boncilli A. *see* Ranucci, Cirri, & others. 1996;61:76–81*
Borges AC, Witt C, Bartel T, Müller S, Konertz W, Baumann G. Preoperative two- and three-dimensional transesophageal echocardiographic assessment of heart tumors. 1995;60:1163–7*
Borovetz HS. *see* Litwak, Butler, & others. 1996;61:448–51*
Borowiec JW. *see* Nilsson, Venge, & others. 1996;61:1039,CP
Borsh JA. *see* Muehrcke, McCarthy, & others. 1996;61:684–91*
Borst H-G. *see* Cremer, Martin, & others. 1996;61:1714–20*
Borst H-G. *see* Pethig, Wahlers, & others. 1996;61:1724–6*
Bortolotti U. Simplified technique for aortic annular enlargement during aortic valve replacement. 1996;61:1591–2,CP
Bosco G. *see* Calafiore, Giammarco, & others. 1996;61:1658–65*
Botham MJ. *see* Margolin, Fabian, & others. 1996;61:1000–1,CR
Boulafendis DG. *see* Bastounis, Hadjinikolaou, & others. 1996;61:1259–61,CR
Bourge RC. *see* Holman, Murrah, & others. 1996;61:366–71*
Bousamra M II, Tweddell JS, Wells RG, Splaingard ML, Sty JR. Wire stent for tracheomalacia in a five-year-old girl. 1996;61:1239–40,CR

Bousamra M II. *see* Nicolosi, Almassi, & others. 1996;61:875–8*
Boyarsky AH. *see* Chiu, Shindler, & others. 1996;61:992–3,CR
Boylston BF. *see* Foy, Pennington, & others. 1996;61:311–3*
Braile DM. *see* Moreira, Stolf, & others. 1996;61:408–12*
Brandl D. *see* Wells, Prendergast, & others. 1996;61:1168–71*
Brandt M. *see* Strüber, Brandt, & others. 1996;61:1543–5,CR
Brannan J. *see* Ohri, Paratt, & others. 1996;61:1223–30*
Brenner M. *see* McKenna, Fischel, & others. 1996;61:1115–7*
Brodman RF, Frame R, Camacho M. Radial artery in coronary artery bypass grafting. Reply. 1996;61:776–7,CP
Broka S. *see* Eucher, Buche, & others. 1996;61:746–7,HW
Bromberg BI. *see* Gandhi, Bromberg, & others. 1996;61:1299–309*
Bromberg BI. *see* Gandhi, Bromberg, & others. 1996;61:1666–79*
Brook MM. *see* Rajasinghe, Reddy, & others. 1996;61:840–4*
Brown JW. *see* Burkhart, Moody, & others. 1996;61:1838–40,CR
Brown JW. *see* Fiore, Swartz, & others. 1996;61:1693–8,DI
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Wan S, DeSmet J-M, Antoine M, Goldman M, Vincent J-L, LeClerc J-L. Steroid administration in heart and heart-lung transplantation: is the timing adequate? 1996;61:674–8*
Wang C-M. *see* Wang, Chiu, & others. 1996;61:651–6*
Wang M-J, Chiu I-S, Hsu C-M, Wang C-M, Lin P-L, Chang C-I, Huang C-H, Chu S-H. Efficacy of ultrafiltration in removing inflammatory mediators during pediatric cardiac operations. 1996;61:651–6*
Wang N. *see* Gundry, Wang, & others. 1996;61:33–5*
Warltier DC. *see* Nicolosi, Hettrick, & Warltier. 1996;61:1381–8*
Warner BA. *see* Shroyer, Marshall, & others. 1996;61:17–20*
Warner KG, Payne DD, Fulton DR, Geggel RL, Marx GR, Schwartz SL, Weintraub AR. Excision of a pulmonary valve abscess in a 61-year-old woman with single ventricle. 1996;61:213–5,CR
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Watanabe Y. *see* Sakakibara, Kawasuji, & others. 1996;61:739–40,CR
Watanabe Y. *see* Takemura, Kawasuji, & others. 1996;61:914–9*
Watarida S. *see* Nojima, Onoe, & others. 1996;61:1289–90,CP
Watkins L Jr. *see* Redmond, Greene, & others. 1996;61:42–7*
Watson DC. *see* Mavroudis, Backer, & others. 1996;61:1330–8,DI
Webb WR. *see* Bufkin, Miller, & Mansour. 1996;61:1447–52,DI
Webber SA. *see* Daubeney, Pilkington, & others. 1996;61:930–4*
Wechsler AS. Cost/benefit analysis of pharmacologic hemostasis. 1996;61:S21–5,IC
Wechsler AS. Introduction. 1996;61:S1*
Wechsler AS. *see* Jessen, Abd-Elfattah, & Wechsler. 1996;61:82–7*
Wechsler AS. *see* Kadletz, Dignan, & Wechsler. 1996;61:1359–62*
Weiman DS. *see* Pate, Tenholder, & others. 1996;61:1494–500*
Weiman DS. *see* Walker, Evans, & others. 1996;61:789–94*
Weinberg AD. *see* Chen, Weinberg, & others. 1996;61:570–5*
Weintraub AR. *see* Warner, Payne, & others. 1996;61:213–5,CR
Weintraub RM. *see* Redmond, Greene, & others. 1996;61:42–7,DI
Weisel RD. *see* Christakis, Buth, & others. 1996;61:128–34*
Weisel RD. *see* Klemperer, Klein, & others. 1996;61:1323–9,DI
Weiss RL. *see* Flum, Cernaianu, & others. 1996;61:93–8*
Wells FC. *see* Aravot, Wells, & others. 1996;61:1549–51,HW
Wells P. *see* Rubens & Wells. 1996;61:774–5,CP
Wells RG. *see* Bousamra, Tweddell, & others. 1996;61:1239–40,CR
Wells WJ, Prendergast TW, Berdjis F, Brandl D, Lange PE, Hetzer R, Starnes VA. Repair of coarctation of the aorta in adults: the fate of systolic hypertension. 1996;61:1168–71*
Wells WJ. *see* Berdjis, Wells, & Starnes. 1996;61:220–2,CR
Weng Y. *see* Knosalla, Weng, & others. 1996;61:1146–52*
Wennmalm A. *see* Mellgren, Friberg, & others. 1996;61:1194–8*
Wenzl T. *see* Seghaye, Duchateau, & others. 1996;61:1205–11*
Wernly JA. *see* Wong, Temes, & others. 1996;61:216–8,CR
Wernovsky G. Surgical repair of transposition of the great arteries in neonates with persistent pulmonary hypertension. 1996;61:805,IC
Wesolowska E. *see* Pelletier, Carrier, & others. 1996;61:1041,CP
Westaby S, Johnsson P, Parry AJ, Blomqvist S, Solem J-O, Alling C, Pillai R, Taggart DP, Grebenik C, Ståhl E. Serum S100 protein: a potential marker for cerebral events during cardiopulmonary bypass. 1996;61:88–92*
Westaby S. *see* Parry & Westaby. 1996;61:1865–9,CV
Weston MW, Vijayanagar R, Sastry NS. Closure of a patent foramen ovale and tricuspid valve replacement after heart transplantation. 1996;61:717–9,CR
White WD. *see* Mahanna, Blumenthal, & others. 1996;61:1342–7*
Whitman GJR. *see* Fullerton, McIntyre, & others. 1996;61:696–701*
Whittaker P. Myocardial revascularization. 1996;61:1874–5,CP
Wihlm J-M. *see* Massard, Rougé, & others. 1996;61:1483–7*
Wihlm J-M. *see* Massard, Tongio, & others. 1996;61:252–8,CV
Wilcox BR. *see* Crawford, Anderson, & others. 1996;61:12–6*
Wildevuur CRH. *see* Jansen, Baufreton, & others. 1996;61:1363–6*
Wildevuur CRH. *see* te Velthuis, Jansen, & others. 1996;61:1153–7*
Wildevuur CRH. *see* te Velthuis, Jansen, & others. 1996;61:904–8*
Wilhelm MJ, Schmid C, Kececioglu D, Möllhoff T, Ostermann H, Scheld HH. Cardiopulmonary bypass in patients with heparin-induced thrombocytopenia using Org 10172. 1995;60:920–4*

Willman VL. *see* Fiore, Swartz, & others. 1996;61:1693–8*
Wilson JAS. *see* Munro & Wilson. 1996;61:280,CP
Wilson RS. *see* Amar, Burt, & others. 1996;61:516–20*
Winkler C. *see* Bartels, Bechtel & Winkler. 1996;61:279–80,CP
Winowich S, Nastala CJ, Pristas JM, Griffith BP, Kormos RL. Discharging patients who are undergoing mechanical circulatory support. 1996;61:478–9*
Winowich S. *see* Griffith, Kormos, & others. 1996;61:396–8*
Witt C. *see* Borges, Witt, & others. 1996;61:1163–7*
Wollenek G. *see* Moritz, Marx, & others. 1996;61:646–50*
Wolner E. *see* Hetzer, Wolner, & others. 1996;61:391–2*
Wolner E. *see* Moritz, Marx, & others. 1996;61:646–50*
Won YS. *see* Kim, Kim, & others. 1996;61:1510–2*
Wong BI. *see* Buss, McLean, & others. 1996;61:1423–7*
Wong ML. *see* Sim, Wong, & others. 1996;61:1012–3,CR
Wong RS, Temes RT, Follis FM, Kessler RM, Pett SB Jr, Wernly JA. Multiple polyposis and adenocarcinoma arising in Barrett's esophagus. 1996;61:216–8,CR
Wood MK. Amiodarone for ventricular tachycardia after coronary artery bypass grafting. 1996;61:1874–3,CP
Woodfine L. *see* Waller, Keavey, & others. 1996;61:1435–40*
Woodhall DD. *see* Katsaros, Petricevic, & others. 1996;61:1131–5*
Wright GL. *see* Metzdorff, Hansen, & others. 1996;61:994–5,CR
Wright JE. *see* El Oakley & Wright. 1996;61:1030–6,CV
Wu Q. Indication and technique of total correction of tetralogy of Fallot in 228 patients. 1996;61:1769–74*

Yacoub MH. *see* Amrani, Corbett, & others. 1996;61:1407–12*
Yacoub MH. *see* Sundt, Khaghani, & Yacoub. 1996;61:1552–4,HW
Yacoub M. *see* Taggart, Hadjinikolaou, & others. 1996;61:1040–1,CP
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Yagyu K. *see* Kubota, Furuse, & others. 1996;61:708–10,CR
Yamada T, Sato H, Seki M, Kitagawa S, Nakagawa M, Shimazaki H. Successful salvage of aortoesophageal fistula caused by a fish bone. 1996;61:1843–5,CR
Yamaguchi I. *see* Terada, Mitsui, & Yamaguchi. 1996;61:1874–3,CP
Yamaguchi M. *see* Toyoda, Yamaguchi, & others. 1996;61:210–3,CR
Yamashita M, Schmid RA, Okabayashi K, Ando K, Kobayashi J, Cooper JD, Patterson GA. Pentoxifylline in flush solution improves early lung allograft function. 1996;61:1055–61*
Yamashita M. *see* Schmid, Yamashita, & others. 1996;61:949–55*
Yamashita T. *see* Toyoda, Yamaguchi, & others. 1996;61:210–3,CR
Yamauchi S. *see* Harada, Sasaki, & others. 1996;61:104–12*
Yamazaki K. *see* Litwak, Butler, & others. 1996;61:448–51*
Yang C-Q. *see* He & Yang. 1996;61:1394–9*
Yang C-Q. *see* He & Yang. 1996;61:610–4*
Yang L. *see* Ye, Yang, & others. 1996;61:1316–22*
Yang M-W. *see* Lin, Chang, & others. 1996;61:1781–7*
Yang SS. *see* Cane, Berrizbeitia, & others. 1996;61:1845–7,CR
Yankah AC. *see* Knosalla, Weng, & others. 1996;61:1146–52*
Yano M, Onitsuka T, Shibata K, Koga Y. Efficacy and safety of a percutaneous right ventricular assist system. 1996;61:1231–5*
Yano OJ. *see* Kohmoto, Fisher, & others. 1996;61:861–8*
Yasui H. *see* Asou, Kado, & others. 1996;61:1546–8,HW
Yasumoto K. *see* Nakahashi, Yasumoto, & Sugimachi. 1996;61:273–4,UP
Yazıcı H. *see* Tüzün, Hamuryudan, & others. 1996;61:733–5,CR
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Yerlioglu ME, *see* Schor, Yerlioglu, & others. 1996;61:1339–41*
Yiğiter B. *see* Alhan, Karabulut, & others. 1996;61:834–9*
Yim APC, Liu H-P. Complications and failures of video-assisted thoracic surgery: experience from two centers in Asia. 1996;61:538–41*
Yıldırım S. *see* Tüzün, Hamuryudan, & others. 1996;61:733–5,CR
Yokoi K, Miyazawa N, Arai T. Brain metastasis in resected lung cancer: value of intensive follow-up with computed tomography. 1996;61:546–51*
Yokoi K, Miyazawa N, Imura G. Isolated incisional recurrence after curative resection for primary lung cancer. 1996;61:1236–7,CR
Yokomise H. *see* Yagi, Hirata, & others. 1996;61:521–4*
Yokota T. *see* Minatoya, Okabayashi, & others. 1996;61:1513–4,CR
Yokota T. *see* Minatoya, Okabayashi, & others. 1996;61:883–7*
Yoon PD. *see* Cardone, Yoon, & others. 1996;61:426–9*
Yörük Y. *see* Tüzün, Hamuryudan, & others. 1996;61:733–5,CR
Yoshida T. *see* Sakamoto, Yoshida, & others. 1996;61:1021–3,HW
Yoshikai M. *see* Natsuaki, Itoh, & others. 1996;61:585–90*
Yoshimura H. *see* Nakae, Kawada, & others. 1996;61:990–2,CR
Yoshimura N. *see* Toyoda, Yamaguchi, & others. 1996;61:210–3,CR
Young CP. *see* Chambers, Haire, & others. 1996;61:67–75*
Young JS. *see* Thies, Corbin, & others. 1996;61:1453–7*
Yung T-c. *see* Leung, Chau, & others. 1996;61:854–60*
Yurdakul S. *see* Tüzün, Hamuryudan, & others. 1996;61:733–5,CR

Zachary PE. *see* Naunheim, Landreneau, & others. 1996;61:1062–5*
Zalstein E. *see* Talmor, Caspi, & others. 1996;61:1835–6,CR
Zanobini M. *see* Antona, Parolari, & others. 1996;61:702–5*
Zbar RIS, Chen AH, Behrendt DM, Bell EF, Smith RJH. Incidence of vocal fold paralysis in infants undergoing ligation of patent ductus arteriosus. 1996;61:814–6*
Zbilut JP. *see* Kim, Montoya, & others. 1996;61:591–3*
Zellers TM. *see* Reed, Leonard, & others. 1996;61:713–5,CR
Zellner JL, Hebbar L, Crawford FA Jr, Mukherjee R, Spinale FG. Beneficial effects of myocyte preconditioning on contractile processes after cardioplegic arrest. 1996;61:558–64*
Zhu S-M. *see* Kohmoto, Fisher, & others. 1996;61:861–8*
Zibaitis A. *see* Chiu, Zibaitis, & Kao. 1996;61:0–Reply,CP
Zietlow SP. *see* McDonald, Orszulak, & others. 1996;61:1024–9,CV
Zikri M. *see* Smedira, Zikri, & others. 1996;61:1526–8,CR
Zingg U. *see* Carrel, Zingg, & others. 1996;61:1418–22*
Zuckerman B. *see* Pennington, Burlington, & others. 1996;61:493–8*
Zuker N. *see* Talmor, Caspi, & others. 1996;61:1835–6,CR
Zwischenberger JB. *see* Lick, Conti, & others. 1996;61:1555–6,HW

Subject Index
Volume 61 (January–June 1996)

KEY TO ABBREVIATIONS USED FOR ARTICLE CLASSIFICATION

* = Original Article	CV = Current Review	RE = Report
AB = Abstract	ED = Editorial	RV = Review of Recent Books
AN = Announcement	HW = How to Do It	SH = Our Surgical Heritage
CR = Case Report	KR = Key References	TR = Tribute
CP = Correspondence	PA = Presidential Address	UP = Update
CT = Collective Review		

Abnormalities
Cystic adenomatoid malformation involving an entire lung in a 22-year-old woman (Lackner, Thompson, & others) 1996;61:1827–9,CR
Diagnosis of congenital bronchoesophageal fistula during anesthesia (Saldhana, Srikrishna, & others) 1996;61:1875–6,CP; Reply (Rämö, Salo, & Mattila) 1996;61:1876,CP
Origin of the left coronary artery from the right pulmonary artery (Tanaka, Takanashi, & others) 1996;61:986–8,CR
Video-assisted thoracoscopic resection of pulmonary sequestration in an infant (Mezzetti, Dell'Agnola, & others) 1996;61:1836–8,CR

Abnormalities, radiation-induced
Delayed chylothorax after irradiation (Neelakandan, Neelakandhan, & Gupta) 1996;61:277,CP

Abscess
Excision of a pulmonary valve abscess in a 61-year-old woman with single ventricle (Warner, Payne, & others) 1996;61:213–5,CR

Accidents, traffic
Blunt traumatic rupture of a mitral papillary muscle head (Smedira, Zikri, & others) 1996;61:1526–8,CR
Traumatic rupture of the thoracic aorta during the second trimester of pregnancy (Lemermeyer, Talwar, & others) 1996;61:1541–3,CR

Acid-base equilibrium
Impact of respiratory acid-base status in patients with pulmonary hypertension (Fullerton, McIntyre, & others) 1996;61:696–701*

Adenocarcinoma
Multiple polyposis and adenocarcinoma arising in Barrett's esophagus (Wong, Temes, & others) 1996;61:216–8,CR

Adenosine
Adenosine effectively controls pulmonary hypertension after cardiac operations (Fullerton, Jones, & others) 1996;61:1118–24*

Adrenergic alpha receptor agonists
Reactivity to alpha agonists is heightened in immature porcine pulmonary arteries (Kadletz, Dignan, & Wechsler) 1996;61:1359–62*

Aged
Aortic valve replacement in elderly patients: influence of concomitant coronary grafting on late survival (He, Grunkemeier, & Starr) 1996;61:1746–51*
Esophagectomy for carcinoma in the octogenarian (Adam, Craig, & others) 1996;61:190–4*
Surgical treatment of multiple coronary aneurysms in an elderly man (Mohamed, Carrol, & Frazier) 1996;61:1007–8,CR

Aging
Is the preconditioning response conserved in senescent myocardium? (Burns, Krukenkamp, & others) 1996;61:925–9*

Air
Pooled air in open heart operations examined by transesophageal echocardiography (Orihashi, Matsuura, & others) 1996;61:1377–80*
Use of the Heimlich valve to shorten hospital stay after lung reduction surgery for emphysema (McKenna, Fischel, & others) 1996;61:1115–7*

Amiodarone
Amiodarone for ventricular tachycardia after coronary artery bypass grafting (Wood) 1996;61:1874,CP; Reply (Terada, Mitsui, & Yamaguchi) 1996;61:1874,CP

Amyloid precursor protein
Genetically engineered serine protease inhibitor for hemostasis after cardiac operations (Ohri, Paratt, & others) 1996;61:1223–30*

Analysis
Cerebral oxygenation measured by near-infrared spectroscopy: comparison with jugular bulb oximetry (Daubeney, Pilkington, & others) 1996;61:930–4*

Anaphylaxis
Aprotinin in staged heart transplantation: anaphylactic potential of repeated exposure (Martinelli, Maurelli, & Vigano') 1996;61:1288–9,CP; Reply (Oz) 1996;61:1289,CP

Anastomosis, surgical
Coarctation repair using end-to-side anastomosis of descending aorta to proximal aortic arch (Rajasinghe, Reddy, & others) 1996;61:840–4*
Heart transplantation with bicaval anastomoses after a maze operation (Vogt, Oechslin, & others) 1996;61:224–5,CR
Reducing aortic root bleeding (Baciewicz) 1996;61:1587,CP; Reply (Kron) 1996;61:1587,CP
Reversed bevel technique for anastomosis at the aortic arch (Ravichandran, Floten, & others) 1996;61:245–6,HW
Simplified technique for hemi-arch replacement during open distal anastomosis: the "Calla" method (Sakamoto, Yoshida, & others) 1996;61:1021–3,HW

Anemia, sickle cell
Mitral valve reconstruction in sickle cell disease (Pagani, Polito, & Bolling) 1996;61:1841–3,CR

Anesthesia
Diagnosis of congenital bronchoesophageal fistula during anesthesia (Saldhana, Srikrishna, & others) 1996;61:1875–6,CP; Reply (Rämö, Salo, & Mattila) 1996;61:1876,CP

January issue, pp 1–498; February issue, pp 499–778; February supplement, pp S1–S34; March issue, pp 779–1044; April issue, pp 1045–1294; May issue, pp 1295–1600; June issue, 1601–1950.

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Aneurysm
Azygos vein aneurysm: contribution of transesophageal echography (Léna, Desrues, & others) 1996;61:1253–5,CR
Pulmonary venous aneurysm presenting as a middle mediastinal mass (DeBoer, Margolis, & others) 1996;61:1261–2,CR
Surgical therapy of pulmonary arterial aneurysms in Behçet's syndrome (Tüzün, Hamuryudan, & others) 1996;61:733–5,CR
Aneurysm, infected
Mycotic aneurysm of the aorta: evolving surgical concept (Pasic) 1996;61:1053–4,ED
Using aortic allograft material to treat mycotic aneurysms of the thoracic aorta (Knosalla, Weng, & others) 1996;61:1146–52*
Angina pectoris
Histologic appearance of transmyocardial laser channels after 4½ weeks (Burkhoff, Fisher, & others) 1996;61:1532–5,CR
Angiography
Midterm angiographic study of five recycled mammary arteries during four coronary redos (Antona, Parolari, & others) 1996;61:702–5*
Angioplasty, transluminal, percutaneous coronary
Analysis of costs associated with CABG and PTCA (Hlatky) 1996;61:S30–2*
Comparison of clinical outcomes of coronary artery bypass grafting and percutaneous transluminal coronary angioplasty in renal dialysis patients (Koyanagi, Nishida, & others) 1996;61:1793–6*
Coronary artery endarterectomy for retrieval of entrapped percutaneous angioplasty catheter (Rosario & Donahoo) 1996;61:218–9,CR
Implications of cost in treatment selection for patients with coronary heart disease (Mark) 1996;61:S12–5*
Announcements
1995 Meeting, Southern Thoracic Surgical Association 1996;61:778,AN
Annuloplasty
Annuloplasty for severe mitral regurgitation due to dilated cardiomyopathy (Kameda, Kitamura, & others) 1996;61:1829–32,CR
Mitral valve remodeling: long-term results with posterior pericardial annuloplasty (Scrofani, Moriggia, & others) 1996;61:895–9*
Anoxemia
Avoiding hypoxemia during unifocalization (Mignosa, Comas, & others) 1996;61:715–7,CR
Anoxia
Therapy for lung failure using nitric oxide inhalation and surfactant replacement (Strüber, Brandt, & others) 1996;61:1543–5,CR
Antibiotics, aminoglycoside
Aminoglycoside toxicity after sternal wound irrigations (Hernandez, Kerns, & Teague) 1996;61:772,CP
Anticoagulants
Interference with anticoagulation monitoring by procainamide-induced lupus anticoagulant (Metzdorff, Hansen, & others) 1996;61:994–5,CR
Monitoring of systemic anticoagulation during cardiopulmonary bypass (Bidstrup) 1996;61:781–2,ED
Response of kaolin ACT to heparin: evaluation with an automated assay and higher heparin doses (Despotis, Alsoufiev, & others) 1996;61:795–9*
Use of centrifugal pumps for postcardiotomy ventricular failure: technique and anticoagulation (Curtis, Walls, & others) 1996;61:296–300*
Antigen-presenting cells
The dendritic cell lineage: a ubiquitous antigen-presenting organization (Massard, Tongio, & others) 1996;61:252–8,CV
Antiphospholipid syndrome
Coronary artery bypass grafting in a patient with antiphospholipid syndrome (Sakakibara, Kawasuji, & others) 1996;61:739–40,CR
Aorta
Aorto–left ventricular tunnel in fetuses and infants (Sousa-Uva, Touchot, & others) 1996;61:1805–10*
Dissection of an allograft ascending aorta after aortic root replacement (Smith, McKenzie, & Davis) 1996;61:1011–2,CR
Endarterectomy for calcified porcelain aorta associated with aortic valve stenosis (Svensson, Sun, & others) 1996;61:149–52*
"Legs" technique for management of widely separated coronary arteries during ascending aortic repair (Mills, Morgenstern, & others) 1996;61:869–74*
Reducing aortic root bleeding (Baciewicz) 1996;61:1587,CP; Reply (Kron) 1996;61:1587,CP
Right ventricular obstruction in aortic dissection: a mechanism of hemodynamic collapse (Downey, Austin, & others) 1996;61:988–90,CR
Aorta, thoracic
Cannula length and arch flow erosion (Groom, Hill, & others) 1996;61:773–4,CP
Coarctation repair using end-to-side anastomosis of descending aorta to proximal aortic arch (Rajasinghe, Reddy, & others) 1996;61:840–4*
Comparative experimental study of cerebral protection during aortic arch reconstruction (Sakurada, Kazui, & others) 1996;61:1348–54*
Descending thoracic aortomyoplasty: a technique for clinical application (Flum, Cernaianu, & others) 1996;61:93–8*
Effect of nitroglycerin on spinal cord ischemia after thoracic aortic cross-clamping (Simpson, Eide, & others) 1996;61:113–7*
Growth potential in the new aortic arch after non–end-to-end repair of aortic arch interruption in infancy (Monro, Delany, & others) 1996;61:1212–6*
Mortality and neurologic morbidity after repair of traumatic aortic disruption (Nicolosi, Almassi, & others) 1996;61:875–8*
Reversed bevel technique for anastomosis at the aortic arch (Ravichandran, Floten, & others) 1996;61:245–6,HW
Simplified technique for hemi-arch replacement during open distal anastomosis: the "Calla" method (Sakamoto, Yoshida, & others) 1996;61:1021–3,HW
Surgical treatment of systemic atheroembolism from the thoracic aorta (Bojar, Payne, & others) 1996;61:1389–93*
Traumatic rupture of the thoracic aorta during the second trimester of pregnancy (Lemermeyer, Talwar, & others) 1996;61:1541–3,CR
Truncus arteriosus with total anomalous pulmonary venous return and interrupted arch (Berdjis, Wells, & Starnes) 1996;61:220–2,CR
Aortic aneurysm
Aortic aneurysms at the site of the repair of coarctation of the aorta: a review of 48 patients (Knyshov, Sitar, & others) 1996;61:935–9*
Comparative experimental study of cerebral protection during aortic arch reconstruction (Sakurada, Kazui, & others) 1996;61:1348–54*

Aortic aneurysm (cont'd)
Late aneurysm after subclavian flap aortoplasty for coarctation of the aorta (Kino, Sano, & others) 1996;61:1262–4,CR
Mycotic aneurysm of the aorta: evolving surgical concept (Pasic) 1996;61:1053–4,ED
Simplified technique for hemi-arch replacement during open distal anastomosis: the "Calla" method (Sakamoto, Yoshida, & others) 1996;61:1021–3,HW
Thoracoabdominal aortic aneurysms (Coselli) 1996;61:267–70,KR
Using aortic allograft material to treat mycotic aneurysms of the thoracic aorta (Knosalla, Weng, & others) 1996;61:1146–52*

Aortic coarctation
Aortic aneurysms at the site of the repair of coarctation of the aorta: a review of 48 patients (Knyshov, Sitar, & others) 1996;61:935–9*
Coarctation repair using end-to-side anastomosis of descending aorta to proximal aortic arch (Rajasinghe, Reddy, & others) 1996;61:840–4*
Late aneurysm after subclavian flap aortoplasty for coarctation of the aorta (Kino, Sano, & others) 1996;61:1262–4,CR
Repair of coarctation of the aorta in adults: the fate of systolic hypertension (Wells, Prendergast, & others) 1996;61:1168–71*
Technique for extraanatomic bypass in complex aortic coarctation (Barron, Lamb, & others) 1996;61:241–4,HW

Aortic cross-clamping
Intermittent aortic cross-clamping and cold crystalloid cardioplegia for low-risk coronary patients (Alhan, Karabulut, & others) 1996;61:834–9*

Aortic diseases
Recurrent cerebral vascular accidents are an indication for ascending aortic endarterectomy (Muehrcke, Grimm, & others) 1996;61:1516–8,CR
Selective management of acute type B aortic dissection: long-term follow-up (Schor, Yerlioglu, & others) 1996;61:1339–41*
Surgical treatment of systemic atheroembolism from the thoracic aorta (Bojar, Payne, & others) 1996;61:1389–93*

Aortic rupture
Mortality and neurologic morbidity after repair of traumatic aortic disruption (Nicolosi, Almassi, & others) 1996;61:875–8*
Traumatic rupture of the thoracic aorta during the second trimester of pregnancy (Lemermeyer, Talwar, & others) 1996;61:1541–3,CR

Aortic valve
Acute right ventricular failure during aortic valvular operation due to mechanical problem in the right coronary artery (Salerno, Bergsland, & others) 1996;61:706–7*
Aortic valve replacement in elderly patients: influence of concomitant coronary grafting on late survival (He, Grunkemeier, & Starr) 1996;61:1746–51*
The aortic valve: to dilate, repair, or replace—that is the question (Lamberti) 1996;61:1297–8,ED
Aortopulmonary fenestration with pulmonary artery septation for single ventricle and subaortic obstruction (Pridjian & Ochsner) 1996;61:997–1000,CR
Early in vivo experience with the Hemodynamic Plus St. Jude Medical heart valves in patients with narrowed aortic annulus (Carrel, Zingg, & others) 1996;61:1418–22*
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Pulmonary autograft in ventricular septal defect–aortic insufficiency complex (Schoof, Hazekamp, & Huysmans) 1996; 61:1005–6,CR
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Recurrent cerebral vascular accidents are an indication for ascending aortic endarterectomy (Muehrcke, Grimm, & others) 1996;61:1516–8,CR
Repair of an aneurysm of the left main coronary artery (Lepojärvi, Salmela, & others) 1996;61:1247–9,CR
Repair of postinfarction ventricular septal defect on a beating heart (Takahashi, Kadoba, & others) 1996;61:1816–7,CR
Repair of tracheogastric fistula after cervical exenteration (Trachiotis & Hix) 1996;61:719–21,CR
Resection of an unsuspected primary pulmonary choriocarcinoma (Canver & Voytovich) 1996;61:1249–51,CR
Resection of multiple pulmonary metastases from a recurrent intracranial meningioma (Murrah, Ferguson, & others) 1996;61:1823–4,CR
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Case reports (cont'd)
Surgical therapy of pulmonary arterial aneurysms in Behçet's syndrome (Tüzün, Hamuryudan, & others) 1996;61:733–5,CR
Surgical treatment of diffuse supravalvar aortic stenosis (Folliguet, Macé, & others) 1996;61:1251–3,CR
Surgical treatment of multiple coronary aneurysms in an elderly man (Mohamed, Carrol, & Frazier) 1996;61:1007–8,CR
Surgical treatment of right ventricular myxoma in infancy (Talmor, Caspi, & others) 1996;61:1835–6,CR
Surviving resuscitation: successful repair of cardiac rupture (Bitkover, Al-Khalili, & others) 1996;61:710–1,CR
Therapy for lung failure using nitric oxide inhalation and surfactant replacement (Strüber, Brandt, & others) 1996;61:1543–5,CR
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Total vertebrectomy for en bloc resection of lung cancer invading the spine (Grunenwald, Mazel, & others) 1996;61:723–6,CR
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Video-assisted thoracoscopic resection of pulmonary sequestration in an infant (Mezzetti, Dell'Agnola, & others) 1996;61:1836–8,CR
Wire stent for tracheomalacia in a five-year-old girl (Bousamra, Tweddell, & others) 1996;61:1239–40,CR

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Closed drainage using Redon catheters for local treatment of poststernotomy mediastinitis (Calvat, Trouillet, & others) 1996;61:195–201*
Coronary artery endarterectomy for retrieval of entrapped percutaneous angioplasty catheter (Rosario & Donahoo) 1996;61:218–9,CR
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Simple technique of left heart bypass (Lick, Conti, & others) 1996;61:1555–6,HW
Subclavian vein cannulation: an approach with definite landmarks (Tripathi & Tripathi) 1996;61:238–40,HW
Thigh ischemia complicating femoral vessel cannulation for cardiopulmonary bypass (Gates, Bichell, & others) 1996;61:730–3,CR

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Should cavitated bronchopulmonary cancers be considered a separate entity? (Mouroux, Padovani, & others) 1996;61:530–2*

Cells
Cellular cardiomyoplasty (Christlieb) 1996;61:772–3,CP; Reply (Chiu, Zibaitis, & Kao) 1996;61:773,CP

Central nervous system
Cardiopulmonary bypass, rewarming, and central nervous system dysfunction (Buss, McLean, & others) 1996;61:1423–7*

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Development and initial testing of a pediatric centrifugal blood pump (Litwak, Butler, & others) 1996;61:448–51*
Small, low-cost implantable centrifugal pump for short-term circulatory assistance (Clark, Goldstein, & others) 1996;61:452–6*

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Neurologic injury in cardiac surgical patients with a history of stroke (Redmond, Greene, & others) 1996;61:42–7*
Recurrent cerebral vascular accidents are an indication for ascending aortic endarterectomy (Muehrcke, Grimm, & others) 1996;61:1516–8,CR
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Discussion of ECMO for cardiac support (Pennington & Hahn) 1996;61:340–1*
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Discussion of devices with limited availability (Pennington & Hahn) 1996;61:329*
Discussion of experience with generally available devices (Pennington & Hahn) 1996;61:311–3*
Discussion of FDA regulation of medical devices (Pae & Copeland) 1996;61:493–8*
Discussion of ECMO for cardiac support (Pennington & Hahn) 1996;61:340–1*
Discussion of nursing the VAD patient (Ley, Fey, & others) 1996;61:474–5*
Discussion of thromboembolism and bleeding (Hetzer & Portner) 1996;61:378–9*
Discussion of univentricular versus biventricular support (Hetzer & Portner) 357–8*
Discussion of patient selection: too early versus too late for bridge (Hetzer & Portner) 1996;61:391–2*
Discussion of extended bridge: permanent implantation (Hetzer & Portner) 1996;61:407*
Discussion of infection (Hetzer & Portner) 1996;61:372–3*
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Infections during extended circulatory support: University of Alabama at Birmingham experience 1989 to 1994 (Holman, Murrah, & others) 1996;61:366–71*
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Patient selection for mechanical bridging to transplantation (Stevenson) 1996;61:380–7*
Pierce-Donachy pediatric VAD: progress in development (Daily, Pettitt, & others) 1996;61:437–43*

Circulatory support (cont'd)
Point/counterpoint, surgical aspect (Hill) 1996;61:490–2*
Point/counterpoint, legal perspective (Flannery) 1996;61:487–9*
Regional effects of aortomyoplasty in acute ischemia (Cardone, Yoon, & others) 1996;61:426–9*
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Collagen
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Avoiding hypoxemia during unifocalization (Mignosa, Comas, & others) 1996;61:715–7,CR

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Thigh ischemia complicating femoral vessel cannulation for cardiopulmonary bypass (Gates, Bichell, & others) 1996;61:730–3,CR

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Specific complement inhibition with heparin-coated extracorporeal circuits (te Velthuis, Jansen, & others) 1996;61:1153–7*

Computer systems
I have seen the future and it is on the Internet (Replogle) 1996;61:1601–2,ED
The Internet and the thoracic surgeon: a "virtual" future (Chitwood) 1996;61:1603–6,ED

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Resinous plate for permanent sternal splinting in patients with extracardiac conduits (Kawauchi, Furuse, & others) 1996;61:1245–6,CR

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Repair of an aneurysm of the left main coronary artery (Lepojärvi, Salmela, & others) 1996;61:1247–9,CR
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Coronary artery bypass
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Analysis of costs associated with CABG and PTCA (Hlatky) 1996;61:S30–2*
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Can patients with left main stenosis wait for coronary artery bypass grafting? (Maziak, Rao, & others) 1996;61:552–7*
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Coronary artery bypass grafting without cardiopulmonary bypass (Buffolo, de Andrade, & others) 1996;61:63–6*
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Coronary operations in patients with spinal cord injury (Walker, Evans, & others) 1996;61:789–94*
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Defining neuropsychological dysfunction after coronary artery bypass grafting (Mahanna, Blumenthal, & others) 1996;61:1342–7*
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Effects of cardiopulmonary bypass temperature on pulmonary gas exchange after coronary artery operations (Birdi, Regragui, & others) 1996;61:118–23*
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Can patients with left main stenosis wait for coronary artery bypass grafting? (Maziak, Rao, & others) 1996;61:552–7*
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Exposing the circumflex coronary artery: the heartflip technique (Splittgerber, Friedrich, & others) 1996;61:1019–20,HW
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Amiodarone for ventricular tachycardia after coronary artery bypass grafting (Wood) 1996;61:1874,CP; Reply (Terada, Mitsui, & Yamaguchi) 1996;61:1874,CP
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Aprotinin in staged heart transplantation: anaphylactic potential of repeated exposure (Martinelli, Maurelli, & Vigano') 1996;61:1288–9,CP; Reply (Oz) 1996;61:1289,CP
Beneficial effects of fibrin glue on esophageal perforation (Tasdemir, Kücükaksu, & others) 1996;61:1589,CP
Cannula length and arch flow erosion (Groom, Hill, & others) 1996;61:773–4,CP

Correspondence (cont'd)
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Closed mitral valvotomy: tactile control (Neelakandan) 1996; 61:775–6,CP
Coronary bypass in women (Utley) 1996;61:1042–3,CP
Coronary–coronary artery bypass (Dietl) 1996;61:771,CP; Reply (Acar) 1996;61:771–2,CP
Defibrillator patch constriction (Lemmer) 1996;61:1042,CP; Reply (Ferguson) 1996;61:1042,CP
Delayed chylothorax after irradiation (Neelakandan, Neelakandhan, & Gupta) 1996;61:277,CP
Diagnosis of congenital bronchoesophageal fistula during anesthesia (Saldhana, Srikrishna, & others) 1996;61:1875–6,CP; Reply (Rämö, Salo, & Mattila) 1996;61:1876,CP
Dire consequence of a patent ductus arteriosus (Möller, Harringer, & others) 1996;61:1293,CP
Distal limb protection during cardiopulmonary bypass (Fukunaga, Egashira, & others) 1996;61:1292,CP
En bloc resection of lung cancer invading the spine (Grunenwald, Mazel, & others) 1996;61:1878–9,CP
Endobronchial stents (Kohman) 1996;61:777,CP
Eosinophil granulocyte activation and heparin-coated cardiopulmonary bypass (Øvrum) 1996;61:1038–9,CP; Reply (Nilsson, Venge, & others) 1996;61:1039,CP
Evolution of bronchus-first technique (Hurt) 1996;61:1585,CP; Reply (Grismer & Read) 1996;61: 1585,CP
Experimental retrograde cerebral perfusion via bilateral maxillary vein in dogs (Nojima, Onoe, & others) 1996;61:1289–90,CP; Reply (Flameng) 1996;61:1290–1,CP
Heparin effect on platelets and fibrinolysis (Wahba, Rothe, & others) 1996;61:1590,CP; Reply (Khuri, Valeri, & others) 1996;61:1590–1,CP
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Limb perfusion during cardiopulmonary support (Peek, Firmin, & Sosnowski) 1996;61:1291,CP; Reply (Greason, Hemp, & others) 1996;61:1291–2,CP
Mediastinoscopy and superior vena caval obstruction (Mineo) 1996;61:275–6,CP
Myocardial revascularization (Whittaker) 1996;61:1874–5,CP; Reply (Tsang & Chiu) 1996;61:1875,RP
Operation for repair of ventricular septal perforation (Komeda) 1996;61:1587–9,CP
Outcome versus volume in coronary bypass operations (Parsonnet & Bernstein) 1996;61:1879–80,CP
Pleural slide technique for covering the left bronchial stump (Berrisford & Mercer) 1996;61:1876–7,CP; Reply (Miller) 1996;61:1877,CP
Pneumonectomy for chronic infection: fraught with danger? (Munro & Wilson) 1996;61:280,CP; Reply (Reed) 1996;61: 280,CP
Potassium conversion of ventricular fibrillation (Robicsek) 1996;61:275,CP; Reply (Øvrum & Tangen) 1996;61:275,CP
Primary cardiac valve tumors (Pezzella) 1996;61:1041–2,CP
Quality of retransfused blood: whole blood versus cell separation (Bartels, Bechtel, & others) 1996;61:279–80,CP
Radial artery in coronary artery bypass grafting (Gutti, Kummara, & others) 1996;61:776,CP; Reply (Brodman, Frame, & Camacho) 1996;61:776–7,CP
Reducing aortic root bleeding (Baciewicz) 1996;61:1587,CP; Reply (Kron) 1996;61:1587,CP
Repeat cardiac operation in a patient with osteogenesis imperfecta (Cusimano) 1996;61:1294,CP
Retrograde cerebral perfusion (Ueda & Miki) 1996;61:1043–4,CP; Reply (Boeckxstaens & Flameng) 1996;61:1044,CP
Simplified reinforced sternal closure (Ali & Sanalla) 1996;61: 1586–7,CP; Reply (Chlosta & Elefteriades) 1996;61:1587,CP
Simplified technique for aortic annular enlargement during aortic valve replacement (Bortolotti) 1996;61:1591,CP; Reply (Mayumi) 1996;61:1591–2,CP
Stable osteosynthesis after median sternotomy (Kollar, Stiegel, & Selle) 1996;61:1585–6,CP; Reply (Chlosta & Elefteriades) 1996;61:1586,CP
Subclavian needle versus cutdown? Consider the risk (Wagner) 1996;61:1288,CP
The surgical challenge of primary pulmonary artery sarcoma (Mazzucco & Santini) 1996;61:278–9,CP; Reply (Jamieson) 1996;61:279,CP
Topical aprotinin in cardiac operations: a note of caution (Çiçek & Theodoro) 1996;61:1039–40,CP
Tranexamic acid use during coronary artery bypass grafting (Rubens & Wells) 1996;61:774–5,CP; Reply (Rousou, Engelman, & others) 1996;61:775,CP
Transcaval closure of sinus venosus defect with butterfly-shaped single patch (Victor & Nayak) 1996;61:1293–4,CP
Troponin-T in cardiac surgery (Taggart, Hadjinikolaou, & others) 1996;61:1040–1,CP; Reply (Pelletier, Carrier, & others) 1996;61:1041,CP
Two-patch repair of atrioventricular canal (Tędziagolska) 1996;61:1589,CP; Reply (Backer) 1996;61:1589–90,CP
Warm heart surgery and stroke (Orszulak, Cook, & Daly) 1996;61:276,CP; Reply (Craver) 1996;61:276–7,CP

Cost and cost analysis
Analysis of costs associated with CABG and PTCA (Hlatky) 1996;61:S30–2*
Cost/benefit analysis of pharmacologic hemostasis (Harmon) 1996;61:S21–5*
Implications of cost in treatment selection for patients with coronary heart disease (Mark) 1996;61:S12–5*

Counterpulsation
Aortomyoplasty counterpulsation: experimental results and early clinical experience (Chachques, Radermercker, & others) 1996;61:420–5*
Arterial impedance in patients during intraaortic balloon counterpulsation (Kim, Euler, & others) 1996;61:888–94*

Credentialing
Outcome as a function of annual coronary artery bypass graft volume (Clark & Ad Hoc Committee on Cardiac Surgery Credentialing of The Society of Thoracic Surgeons) 1996; 61:21–6*
Volume requirements for cardiac surgery credentialing: a critical examination (Crawford, Anderson, & others) 1996; 61:12–6*

Cryopreservation
Retention of endothelium-dependent properties in human mammary arteries after cryopreservation (Pompilio, Polvani, & others) 1996;61:667–73*

Cryosurgery
Cellular cardiomyoplasty (Christlieb) 1996;61:772–3,CP; Reply (Chiu, Zibaitis, & Kao) 1996;61:773,CP

Current reviews
Appendage obliteration to reduce stroke in cardiac surgical patients with atrial fibrillation (Blackshear & Odell) 1996; 61:755–9,CV

Cardiac surgical implications of calcium dyshomeostasis in the heart (Meldrum, Cleveland, & others) 1996;61:1273–80,CV
Cardiopulmonary bypass during pregnancy (Parry & Westaby) 1996;61:1865–9,CV
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The dendritic cell lineage: a ubiquitous antigen-presenting organization (Massard, Tongio, & others) 1996;61:252–8,CV
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Cyanosis
Traumatic tricuspid regurgitation with cyanosis: diagnosis by transesophageal echocardiography (Chiu, Shindler, & others) 1996;61:992–3,CR

Cyclohexanecarboxylic acids
Tranexamic acid reduces postbypass blood use: a double-blinded, prospective, randomized study of 210 patients (Katsaros, Petricevic, & others) 1996;61:1131–5*
Tranexamic acid use during coronary artery bypass grafting (Rubens & Wells) 1996;61:774–5,CP; Reply (Rousou, Engelman, & others) 1996;61:775,CP

Cystic adenomatoid malformation of lung, congenital
Cystic adenomatoid malformation involving an entire lung in a 22-year-old woman (Lackner, Thompson, & others) 1996;61:1827–9,CR

Cysts
Blood cyst of the tricuspid valve (Sim, Wong, & others) 1996;61:1012–3,CR

Cytokines
Steroid administration in heart and heart–lung transplantation: is the timing adequate? (Wan, DeSmet, & others) 1996;61:674–8*

Debridement
VATS debridement versus thoracotomy in the treatment of loculated postpneumonia empyema (Mackinlay, Lyons, & others) 1996;61:1626–30*

Decompression
Primary sternal closure and mediastinal decompression by inlay autologous rib grafts (Geiger, Tabak, & Aronstam) 1996;61:215–6,CR

Deglutition disorders
Onset timing of delayed complications and criteria of follow-up after operation for esophageal achalasia (Di Simone, Felice, & others) 1996;61:1106–11*

Delivery of healthcare
The bright future of cardiothoracic surgery in the era of changing healthcare delivery (Grover) 1996;61:499–510,PA

Dendritic cells
The dendritic cell lineage: a ubiquitous antigen-presenting organization (Massard, Tongio, & others) 1996;61:252–8,CV

Dialysis
Comparison of clinical outcomes of coronary artery bypass grafting and percutaneous transluminal coronary angioplasty in renal dialysis patients (Koyanagi, Nishida, & others) 1996;61:1793–6*

Diaphragm
Pericardial repair after extensive resection: another use for the pedicled diaphragmatic flap (Goldstraw & Jiao) 1996;61:1112–4*

Disaccharides
Trehalose-containing solutions enhance preservation of cultured endothelial cells (Isowa, Hitomi, & Wada) 1996;61:542–5*

Dislocations
Posterior dislocation of the sternoclavicular joint leading to mediastinal compression (Jougon, Lepront, & Dromer) 1996;61:711–3,CR

Dissection
Dissection of an allograft ascending aorta after aortic root replacement (Smith, McKenzie, & Davis) 1996;61:1011–2,CR
Right ventricular obstruction in aortic dissection: a mechanism of hemodynamic collapse (Downey, Austin, & others) 1996;61:988–90,CR
Selective management of acute type B aortic dissection: long-term follow-up (Schor, Yerlioglu, & others) 1996;61:1339–41*
Successful surgical repair of left atrial dissection after mitral valve replacement (Sekino, Sadahiro, & Tabayashi) 1996;61:1528–30,CR

Double-outlet right ventricle
Double-horned or caplike right ventricle: diagnosis and operative treatment (Muster, Mavroudis,& others) 1996;61:823–8*
Taussig-Bing anomaly: arterial switch versus Kawashima intraventricular repair (Mavroudis, Backer, & others) 1996;61:1330–8*

Doxorubicin
Isolated lung perfusion with doxorubicin reduces cardiac and host toxicities associated with systemic administration (Ng, Hochwald, & Burt) 1996;61:969–72*

Drug therapy
Multimodality therapy in stage III non–small cell lung cancer (Edelman, Gandara, & others) 1996;61:1564–72,CV

Ductus arteriosus, patent
Dire consequence of a patent ductus arteriosus (Möller, Harringer, & others) 1996;61:1293,CP
Incidence of vocal fold paralysis in infants undergoing ligation of patent ductus arteriosus (Zbar, Chen, & others) 1996;61:814–6*

Echocardiography
Azygos vein aneurysm: contribution of transesophageal echography (Léna, Desrues, & others) 1996;61:1253–5,CR
Echocardiography-guided pericardiocentesis with a needle attached to a probe (Suehira, Hattori, & others) 1996;61:741–2,HW
Intraoperative TEE assessment of ventricular septal defects with aortic regurgitation (Leung, Chau, & others) 1996;61:854–60*

Echocardiography (cont'd)
Pooled air in open heart operations examined by transesophageal echocardiography (Orihashi, Matsuura, & others) 1996;61:1377–80*
Preoperative two- and three-dimensional transesophageal echocardiographic assessment of heart tumors (Borges, Witt, & others) 1996;61:1163–7*
Pressure gradients across bileaflet aortic valves by direct measurement and echocardiography (Laske, Jenni, & others) 1996;61:48–57*
Primary cardiac lymphoma: echocardiographic characterization and successful resection (Sommers, Edmundowicz, & others) 1996;61:1001–3,CR
Traumatic tricuspid regurgitation with cyanosis: diagnosis by transesophageal echocardiography (Chiu, Shindler, & others) 1996;61:992–3,CR

Echocardiography, Doppler
Internal thoracic artery graft function during exercise assessed by transthoracic Doppler echography (Takemura, Kawasuji, & others) 1996;61:914–9*
Value of perioperative Doppler echocardiography in patients undergoing major lung resection (Amar, Burt, & others) 1996;61:516–20*

Editorials
The aortic valve: to dilate, repair, or replace—that is the question (Lamberti) 1996;61:1297–8,ED
Deep hypothermic circulatory arrest: a need for caution (Jonas) 1996;61:779–80,ED
The Internet and the thoracic surgeon: a "virtual" future (Chitwood) 1996;61:1603–6,ED
Look Ma, no hands! (Ullyot) 1996;61:10–1,ED
Management of pulmonary hypertension and right ventricular failure: another step forward (Vlahakes) 1996;61:1051–2,ED
Monitoring of systemic anticoagulation during cardiopulmonary bypass (Bidstrup) 1996;61:781–2,ED
Mycotic aneurysm of the aorta: evolving surgical concept (Pasic) 1996;61:1053–4,ED
Neurobehavioral tests are monitoring tools used to improve cardiac surgery outcome (Stump, Rogers, & Hammon) 1996;61:1295–6,ED
Obliteration of the left atrial appendage: a concept worth testing (Lindsay) 1996;61:515,ED
A randomized study would answer the question (Jollis & Califf) 1996;61:513–4,ED
SIRS—the systemic inflammatory response syndrome after cardiac operations (Taylor) 1996;61:1607–8,ED
Stratifying patients preoperatively for transfusion outcomes (Goodnough) 1996;61:8–9,ED

Education
In celebration of ATSA training programs, 1995: University of Texas Health Science Center, San Antonio, Texas (Trinkle) 1996;61:511–2*

Electric countershock
Defibrillator patch constriction (Lemmer) 1996;61:1042,CP; Reply (Ferguson) 1996;61:1042,CP

Electric stimulation
Association of latissimus dorsi muscle expansion with electrostimulation before cardiomyoplasty (Chachques, Tapia, & others) 1996;61:138–42*

Embolism
Cannula length and arch flow erosion (Groom, Hill, & others) 1996;61:773–4,CP
Surgical treatment of systemic atheroembolism from the thoracic aorta (Bojar, Payne, & others) 1996;61:1389–93*

Empyema
VATS debridement versus thoracotomy in the treatment of loculated postpneumonia empyema (Mackinlay, Lyons, & others) 1996;61:1626–30*

Endarterectomy
Coronary artery endarterectomy for retrieval of entrapped percutaneous angioplasty catheter (Rosario & Donahoo) 1996;61:218–9,CR
Endarterectomy for calcified porcelain aorta associated with aortic valve stenosis (Svensson, Sun, & others) 1996;61:149–52*
Inhaled nitric oxide as an adjunct to pulmonary thromboendarterectomy (Pinelli, Mertes, & others) 1996;61:227–9,CR
Mid-term results of pulmonary thromboendarterectomy for chronic thromboembolic pulmonary hypertension (Mayer, Dahm, & others) 1996;61:1788–92*
Recurrent cerebral vascular accidents are an indication for ascending aortic endarterectomy (Muehrcke, Grimm, & others) 1996;61:1516–8,CR

Endocarditis
Infective endocarditis: ten-year review of medical and surgical therapy (Vlessis, Hovaguimian, & others) 1996;61:1217–22*
Valve replacement in patients with endocarditis and acute neurologic deficit (Gillinov, Shah, & others) 1996;61:1125–30*

Endoscopy
Endoscopic ultrasound with fine-needle aspiration in the diagnosis and staging of lung cancer (Silvestri, Hoffman, & others) 1996;61:1441–6*
Video-assisted mitral valve operations (Lin, Chang, & others) 1996;61:1781–7*

Endothelin
Circulating endothelin in cardiac operations: influence of blood pressure and endotoxin (Velthuis, Jansen, & others) 1996;61:904–8*
Effects of endothelin-1 and L-arginine after cold ischemia in lamb hearts (Hiramatsu, Forbess, & others) 1996;61:36–41*

Endothelium
Effects of endothelin-1 and L-arginine after cold ischemia in lamb hearts (Hiramatsu, Forbess, & others) 1996;61:36–41*
Pulmonary endothelial permeability changes after major lung resection (Waller, Keavey, & others) 1996;61:1435–40*
Trehalose-containing solutions enhance preservation of cultured endothelial cells (Isowa, Hitomi, & Wada) 1996;61:542–5*

Endothelium, vascular
Effect of temperature in long-term preservation of vascular endothelial and smooth muscle function (Ingemansson, Budrikis, & others) 1996;61:1413–7*
Importance of calcium in long-term preservation of the vasculature (Ingemansson, Sjöberg, & Steen) 1996;61:1158–62*
Retention of endothelium-dependent properties in human mammary arteries after cryopreservation (Pompilio, Polvani, & others) 1996;61:667–73*

Endothelium-derived relaxing factor
Hyperkalemia alters endothelium-dependent relaxation through non-nitric oxide and noncyclooxygenase pathway: a mechanism for coronary dysfunction due to cardioplegia (He & Yang) 1996;61:1394–9*

Endotoxins
Circulating endothelin in cardiac operations: influence of blood pressure and endotoxin (Velthuis, Jansen, & others) 1996;61:904–8*
Eosinophils
Eosinophil granulocyte activation and heparin-coated cardiopulmonary bypass (Øvrum) 1996;61:1038–9,CP; Reply (Nilsson, Venge, & others) 1996;61:1039,CP
Equipment and supplies
Discussion of FDA regulation of medical devices (Pae & Copeland) 1996;61:493–8*
Industry perspective on FDA regulation of medical devices and the practice of medicine (Tandy) 1996;61:485–6*
Point/counterpoint, legal perspective (Flannery) 1996;61:487–9*
Esophageal achalasia
Onset timing of delayed complications and criteria of follow-up after operation for esophageal achalasia (Di Simone, Felice, & others) 1996;61:1106–11*
Esophageal fistula
Diagnosis of congenital bronchoesophageal fistula during anesthesia (Saldhana, Srikrishna, & others) 1996;61:1875–6,CP; Reply (Rämö, Salo, & Mattila) 1996;61:1876,CP
Successful salvage of aortoesophageal fistula caused by a fish bone (Yamada, Sato, & others) 1996;61:1843–5,CR
Esophageal neoplasms
Esophagectomy for carcinoma in the octogenarian (Adam, Craig, & others) 1996;61:190–4*
Hemangioma of the esophagus (Taylor, Fowler, & others) 1996;61:726–8,CR
Multiple polyposis and adenocarcinoma arising in Barrett's esophagus (Wong, Temes, & others) 1996;61:216–8,CR
Esophageal perforation
Beneficial effects of fibrin glue on esophageal perforation (Tasdemir, Kücükaksu, & others) 1996;61:1589,CP
Esophageal perforation: emphasis on management (Bufkin, Miller, & Mansuor) 1996;61:1447–52*
Esophagectomy
En bloc and standard esophagectomies by thoracoscopy (Collard) 1996;61:769–70,UP
Esophagectomy for carcinoma in the octogenarian (Adam, Craig, & others) 1996;61:190–4*
Repair of tracheogastric fistula after cervical exenteration (Trachiotis & Hix) 1996;61:719–21,CR
Symptomatic tachydysrhythmias after esophagectomy: incidence and outcome measures (Amar, Burt, & others) 1996;61:1506–9*
Evoked potentials, somatosensory
Comparative experimental study of cerebral protection during aortic arch reconstruction (Sakurada, Kazui, & others) 1996;61:1348–54*
Exercise test
Internal thoracic artery graft function during exercise assessed by transthoracic Doppler echocardiography (Takemura, Kawasuji, & others) 1996;61:914–9*
Exostoses
First-rib exostosis bursa (Gupta, Gaikwad, & others) 1996;61:219–20,CR
Extracorporeal circulation
Heparin-coated circuits and aprotinin prime for coronary artery bypass grafting (Jansen, Baufreton, & others) 1996;61:1363–6*
Specific complement inhibition with heparin-coated extracorporeal circuits (te Velthuis, Jansen, & others) 1996;61:1153–7*
Extracorporeal life support
Cannulation of neonates for venovenous extracorporeal life support (Peek, Firmin, & others) 1996;61:1851–2,HW
Extracorporeal membrane oxygenation
Discussion of ECMO for cardiac support (Pennington & Hahn) 1996;61:340–1*
Extracorporeal membrane oxygenation for cardiac support in children (Nido) 1996;61:336–9*
Extracorporeal membrane oxygenation for postcardiotomy cardiogenic shock (Muehrcke, McCarthy, & others) 1996;61:684–91*
Heparin-bonded surfaces in extracorporeal membrane oxygenation for cardiac support (von Segesser) 1996;61:330–5*
Nitric oxide in the oxygenator sweep gas reduces platelet activation during experimental perfusion (Mellgren, Friberg, & others) 1996;61:1194–8*
Extremities
Distal limb protection during cardiopulmonary bypass (Fukunaga, Egashira, & others) 1996;61:1292,CP
Limb perfusion during cardiopulmonary support (Peek, Firmin, & Sosnowski) 1996;61:1291,CP; Reply (Greason, Hemp, & others) 1996;61:1291–2,CP

Female
Coronary bypass in women (Utley) 1996;61:1042–3,CP
Femoral artery
Distal limb protection during cardiopulmonary bypass (Fukunaga, Egashira, & others) 1996;61:1292,CP
Limb perfusion during cardiopulmonary support (Peek, Firmin, & Sosnowski) 1996;61:1291,CP; Reply (Greason, Hemp, & others) 1996;61:1291–2,CP
Thigh ischemia complicating femoral vessel cannulation for cardiopulmonary bypass (Gates, Bichell, & others) 1996;61:730–3,CR
Fenestration
Aortopulmonary fenestration with pulmonary artery septation for single ventricle and subaortic obstruction (Pridjian & Ochsner) 1996;61:997–1000,CR
Fetus
Aorto–left ventricular tunnel in fetuses and infants (Sousa-Uva, Touchot, & others) 1996;61:1805–10*
Fibrin tissue adhesive
Beneficial effects of fibrin glue on esophageal perforation (Tasdemir, Kücükaksu, & others) 1996;61:1589,CP
Fibrinolysis
Heparin effect on platelets and fibrinolysis (Wahba, Rothe, & others) 1996;61:1590,CP; Reply (Khuri, Valeri, & others) 1996;61:1590–1,CP
Fistula
Major intrahepatic venovenous fistulas after a modified Fontan operation (Reed, Leonard, & others) 1996;61:713–5,CR
Successful repair of coronary artery–coronary sinus fistula with aneurysm in an adult (Abe, Kamata, & others) 1996;61:1520–3,CR
Foreign bodies
Successful salvage of aortoesophageal fistula caused by a fish bone (Yamada, Sato, & others) 1996;61:1843–5,CR
Fracture fixation, internal
Simplified reinforced sternal closure (Ali & Sanalla) 1996;61:1586–7,CP; Reply (Chlosta & Elefteriades) 1996;61:1587,CP
Stable osteosynthesis after median sternotomy (Kollar, Stiegel, & Selle) 1996;61:1585–6,CP; Reply (Chlosta & Elefteriades) 1996;61:1586,CP

Fundoplication
Laparoscopic fundoplication: a natural extension for the thoracic surgeon (Naunheim, Landreneau, & others) 1996;61:1062–5*
Funnel chest
Chest wall constriction after too extensive and too early operations for pectus excavatum (Haller, Colombani, & others) 1996;61:1618–25*

Gastric fistula
Repair of tracheogastric fistula after cervical exenteration (Trachiotis & Hix) 1996;61:719–21,CR
Gastroepiploic artery
Coronary reoperation via small laparotomy using right gastroepiploic artery without CPB (Grandjean, Mariani, & Ebels) 1996;61:1853–5,HW
Morphometric analysis of the right gastroepiploic artery and the internal mammary artery (Malhotra, Bedi, & others) 1996;61:124–7*
Gastroesophageal reflux
Laparoscopic fundoplication: a natural extension for the thoracic surgeon (Naunheim, Landreneau, & others) 1996;61:1062–5*
Gastrointestinal system
The gastrointestinal tract: an underestimated organ as demonstrated in an experimental LVAD pig model (Miyama, Dihmis, & others) 1996;61:817–22*
Glyceryl trinitrate
Effect of nitroglycerin on spinal cord ischemia after thoracic aortic cross-clamping (Simpson, Eide, & others) 1996;61:113–7*
Use of verapamil and nitroglycerin solution in preparation of radial artery for coronary grafting (He & Yang) 1996;61:610–4*
Government programs
Cardiac surgery in a fixed-reimbursement environment (Scully) 1996;61:S16–20*
Graft
Critical importance of the first 10 minutes of lung graft reperfusion after hypothermic storage (Bhabra, Hopkinson, & others) 1996;61:1631–5*
Internal thoracic artery graft function during exercise assessed by transthoracic Doppler echography (Takemura, Kawasuji, & others) 1996;61:914–9*
Left subclavian artery bypass graft in complicated arterial switch operation (Han, Lee, & others) 1996;61:1523–5,CR
"Legs" technique for management of widely separated coronary arteries during ascending aortic repair (Mills, Morgenstern, & others) 1996;61:869–74*
Primary sternal closure and mediastinal decompression by inlay autologous rib grafts (Geiger, Tabak, & Aronstam) 1996;61:215–6,CR
Reduced prostacyclin and increased leukotriene B_4 synthesis in porcine venous-arterial grafts (Jeremy, Izzat, & others) 1996;41:143–8*
Skeletonized and pedicled internal thoracic artery grafts: effect on free flow during bypass (Choi & Lee) 1996;61:909–13*
Granulocytes
Eosinophil granulocyte activation and heparin-coated cardiopulmonary bypass (Øvrum) 1996;61:1038–9,CP; Reply (Nilsson, Venge, & others) 1996;61:1039,CP
Granuloma
Plasma cell granuloma of the lung: difficulties in diagnosis and prognosis (Copin, Gosselin, & Ribet) 1996;61:1477–82*

Hazard function
Outcome analysis using hazard function methodology (Blackstone) 1996;61:S2–7*
Heart aneurysm
Right ventricular aneurysm associated with postinfarction ventricular septal defect (Nahas, Jones, & others) 1996;61:737–8,CR
The use of autologous pericardium for ventricular aneurysm closure (Fiore, Misbach, & others) 1996;61:271–2,UP
Ventricular septal aneurysm after atrioventricular septal repair with pericardium (Burkhart, Moody, & others) 1996;61:1838–9,CR
Heart arrest, induced
Acute right ventricular failure during aortic valvular operation due to mechanical problem in the right coronary artery (Salerno, Bergsland, & others) 1996;61:706–7*
Beneficial effects of myocyte preconditioning on contractile processes after cardioplegic arrest (Zellner, Hebbar, & others) 1996;61:558–64*
Circulatory arrest in a reoperation for brachiocephalic arterial occlusive disease (Bastounis, Hadjinikolaou, & others) 1996;61:1259–61,CR
Clinical trial of retrograde warm blood reperfusion versus standard cold topical irrigation of transplanted hearts (Carrier, Leung, & others) 1996;61:1310–5*
Is potassium channel opening an effective form of preconditioning before cardioplegia? (Menasché, Mouasa, & Grousset) 1996;61:1764–8*
Kinetics of induction and protective effect of heat-shock proteins after cardioplegic arrest (Amrani, Corbett, & others) 1996;61:1407–12*
Myocardial protection: modern studies (Krukenkamp & Levitsky) 1996;61:1581–2,KR
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Discussion of experience with devices with limited availability (Pennington & Hahn) 1996;61:329*
Discussion of experience with generally available devices (Pennington & Hahn) 1996;61:311–3*
Discussion of extended bridge: permanent implantation (Hetzer & Portner) 1996;61:407*
Discussion of FDA regulation of medical devices (Pae & Copeland) 1996;61:493–8*
Discussion of infection (Hetzer & Portner) 1996;61:372–3*
Discussion of nursing the VAD patient (Ley, Fey, & others) 1996;61:474–5*
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Patient selection for mechanical bridging to transplantation (Stevenson) 1996;61:380–7*
Physiology of univentricular versus biventricular support (Pavie & Leger) 1996;61:347–9*
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Use of centrifugal pumps for postcardiotomy ventricular failure: technique and anticoagulation (Curtis, Walls, & others) 1996;61:296–300*
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Aorto–left ventricular tunnel in fetuses and infants (Sousa-Uva, Touchot, & others) 1996;61:1805–10*
Appendage obliteration to reduce stroke in cardiac surgical patients with atrial fibrillation (Blackshear & Odell) 1996;61:755–9,CV

Heart atrium (cont'd)
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Atrial cannulation for left ventricular assistance: superiority of the dome approach (Jett) 1996;61:1014–5,HW
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Complete resection of a right atrial intracavitary metastatic melanoma (Chen, Gaos, & Frazier) 1996;61:1255–7,CR
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Simple technique of left heart bypass (Lick, Conti, & others) 1996;61:1555–6,HW
Successful surgical repair of left atrial dissection after mitral valve replacement (Sekino, Sadahiro, & Tabayashi) 1996;61:1528–30,CR
Surgical atrial septostomy without cardiopulmonary bypass (Kawahira, Kishimoto, & others) 1996;61:1016–8,HW
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Anomalous course of the left main coronary artery in tetralogy of Fallot (Davis, Teske, & others) 1996;61:229–31,CR
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Aorto–left ventricular tunnel in fetuses and infants (Sousa-Uva, Touchot, & others) 1996;61:1805–10*
Aortopulmonary fenestration with pulmonary artery septation for single ventricle and subaortic obstruction (Pridjian & Ochsner) 1996;61:997–1000,CR
Coronary sinus ostial atresia with persistent left superior vena cava (Santoscoy, Walters, & others) 1996;61:879–82*
Development and initial testing of a pediatric centrifugal blood pump (Litwak, Butler, & others) 1996;61:448–51*
Double-horned or caplike right ventricle: diagnosis and operative treatment (Muster, Mavroudis, & others) 1996;61:823–8*
Growth potential in the new aortic arch after non–end-to-end repair of aortic arch interruption in infancy (Monro, Delany, & others) 1996;61:1212–6*
Successful repair of coronary artery–coronary sinus fistula with aneurysm in an adult (Abe, Kamata, & others) 1996;61:1520–3,CR
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Truncus arteriosus with total anomalous pulmonary venous return and interrupted arch (Berdjis, Wells, & Starnes) 1996;61:220–2,CR

Heart failure, congestive
Bio-Medicus centrifugal ventricular support for postcardiotomy cardiac failure: a review of 129 cases (Noon, Ball, & Short) 1996;61:291–5*
Cleveland Clinic Rotodynamic pump (Golding & Smith) 1996;61:457–62*
Extracorporeal membrane oxygenation for cardiac support in children (Nido) 1996;61:336–9*
Introduction to the Third International Conference on Circulatory Support Devices for Severe Cardiac Failure (Griffith) 1996;61:282*
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Physiology of univentricular versus biventricular support (Pavie & Leger) 1996;61:347–9*
The Third International Conference on Circulatory Support Devices for Severe Cardiac Failure 1996;61:283–6*
Use of centrifugal pumps for postcardiotomy ventricular failure: technique and anticoagulation (Curtis, Walls, & others) 1996;61:296–300*
Wearable long-term mechanical support for patients with end-stage heart disease: a tenable goal (Rose & Goldstein) 1996;61:399–402*

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Cardiopulmonary bypass for resuscitation after penetrating cardiac trauma (Karmy-Jones, van Wijngaarden, & others) 1996;61:1244–5,CR
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Steroid administration in heart and heart–lung transplantation: is the timing adequate? (Wan, DeSmet, & others) 1996;61:674–8*

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Complete resection of a right atrial intracavitary metastatic melanoma (Chen, Gaos, & Frazier) 1996;61:1255–7,CR
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Early mortality after surgical repair of postinfarction ventricular septal rupture: importance of rupture location (Cox, Morshuis, & others) 1996;61:1752–8*
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Complete repair of PA-VSD with diminutive or discontinuous pulmonary arteries by transverse thoracosternotomy (Moritz, Marx, & others) 1996;61:646–50*
Growth potential in the new aortic arch after non–end-to-end repair of aortic arch interruption in infancy (Monro, Delany, & others) 1996;61:1212–6*
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Determinants of early and late results of combined valve operations and coronary artery bypass grafting (Flameng, Herijgers, & others) 1996;61:621–8*
Early mortality after surgical repair of postinfarction ventricular septal rupture: importance of rupture location (Cox, Morshuis, & others) 1996;61:1752–8*
Effects of short-term supplementation with coenzyme Q10 on myocardial protection during cardiac operations (Taggart, Jenkins, & others) 1996;61:829–33*
Efficacy of ultrafiltration in removing inflammatory mediators during pediatric cardiac operations (Wang, Chiu, & others) 1996;61:651–6*
Excision of a pulmonary valve abscess in a 61-year-old woman with single ventricle (Warner, Payne, & others) 1996;61:213–5,CR
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Heart surgery (cont'd)
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Major intrahepatic venovenous fistulas after a modified Fontan operation (Reed, Leonard, & others) 1996;61:713–5,CR
Maze procedure and anomalous coronary artery repair (Kobayashi, Kosakai, & Kawashima) 1996;61:1008–11,CR
Mitral valve reconstruction in sickle cell disease (Pagani, Polito, & Bolling) 1996;61:1841–3,CR
Mitral valve replacement in a heart transplant recipient with iatrogenic mitral regurgitation (Cavero, Pulpón, & others) 1996;61:1530–2,CR
Neurobehavioral tests are monitoring tools used to improve cardiac surgery outcome (Stump, Rogers, & Hammon) 1996;61:1295–6,ED
Neurologic injury in cardiac surgical patients with a history of stroke (Redmond, Greene, & others) 1996;61:42–7*
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Perioperative complications in combined aortic valve replacement and extraanatomic ascending–descending bypass (Pethig, Wahlers, & others) 1996;61:1724–6*
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Results of total correction of tetralogy of Fallot performed in adults (Presbitero, Prever, & others) 1996;61:1870–3,UP
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Safety of remote aortic valve replacement after prior coronary artery bypass grafting (Hoff, Merrill, & others) 1996;61:1689–92*
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Should atrial septal defects in adults be closed? (Gatzoulis, Redington, & others) 1996;61:657–9*
Simple technique of left heart bypass (Lick, Conti, & others) 1996;61:1555–6,HW
Simplified technique for aortic annular enlargement during aortic valve replacement (Bortolotti) 1996;61:1591,CP; Reply (Mayumi) 1996;61:1591–2,CP
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Staged repair of tetralogy of Fallot and pulmonary atresia without central pulmonary arteries (Toyoda, Yamaguchi, & others) 1996;61:210–3,CR
Successful repair of a massive coronary arteriovenous fistula in a 68-year-old man (Phillips & Cooley) 1996;61:984–6,CR
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Surgical repair of transposition of the great arteries in neonates with persistent pulmonary hypertension (Luciani, Chang, & Starnes) 1996;61:800–5*
Surgical treatment of diffuse supravalvar aortic stenosis (Folliguet, Macé, & others) 1996;61:1251–3,CR
Surgical treatment of right ventricular myxoma in infancy (Talmor, Caspi, & others) 1996;61:1835–6,CR
Systemic inflammatory response syndrome after cardiac operations (Cremer, Martin, & others) 1996;61:1714–20*
Taussig-Bing anomaly: arterial switch versus Kawashima intraventricular repair (Mavroudis, Backer, & others) 1996;61:1330–8*
Technique for extraanatomic bypass in complex aortic coarctation (Barron, Lamb, & others) 1996;61:241–4,HW
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Traumatic tricuspid valve injury: leaflet resuspension repair (Bolton) 1996;61:721–2,CR
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Troponin-T in cardiac surgery (Taggart, Hadjinikolaou, & others) 1996;61:1040–1,CP; Reply (Pelletier, Carrier, & others) 1996;61:1041,CP
Truncus arteriosus with total anomalous pulmonary venous return and interrupted arch (Berdjis, Wells, & Starnes) 1996;61:220–2,CR
Two-patch repair of atrioventricular canal (Tędziagolska) 1996;61:1589,CP; Reply (Backer) 1996;61:1589–90,CP
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Ventricular septal aneurysm after atrioventricular septal repair with pericardium (Burkhart, Moody, & others) 1996;61:1838–9,CR
Video-assisted mitral valve operations (Lin, Chang, & others) 1996;61:1781–7*
Warm heart surgery and stroke (Orszulak, Cook, & Daly) 1996;61:276,CP; Reply (Craver) 1996;61:276–7,CP

Heart transplantation
Alternative method for cardiac transplantation: surgical considerations and technical aspects (Aravot, Wells, & others) 1996;61:1549–51,HW
Aprotinin in staged heart transplantation: anaphylactic potential of repeated exposure (Martinelli, Maurelli, & Vigano') 1996;61:1288–9,CP; Reply (Oz) 1996;61:1289,CP

Bench repair of donor mitral valve before heart transplantation (Massad, Smedira, & others) 1996;61:1833–5,CR
Cardiac transplantation after mechanical circulatory support: a Canadian perspective (Masters, Hendry, & others) 1996; 61:1734–9*
Cardiac troponin I release in heart transplantation (Hossein-Nia, Holt, & others) 1996;61:277–8,CP; Reply (Etievent & Chocron) 1996;61:278,CP
Clinical trial of retrograde warm blood reperfusion versus standard cold topical irrigation of transplanted hearts (Carrier, Leung, & others) 1996;61:1310–5*
Closure of a patent foramen ovale and tricuspid valve replacement after heart transplantation (Weston, Vijayanagar, & Sastry) 1996;61:717–9,CR
Comparisons of methods of myocardial hypothermia for cardiac transplantation (Daily, Adamson, & others) 1996;61: 679–83*
Efficacy of a partnership in enhancing Veterans Affairs cardiac transplantation activity (Canver, Luick, & others) 1996;61: 635–9*
Experience with right ventricular assist devices for perioperative right-sided circulatory failure (Chen, Levin, & others) 1996;61:305–10*
Heart transplantation for chronic Chagas' heart disease (Bocchi, Bellotti, & others) 1996;61:1727–33*
Heart transplantation with bicaval anastomoses after a maze operation (Vogt, Oechslin, & others) 1996;61:224–5,CR
Mitral valve replacement in a heart transplant recipient with iatrogenic mitral regurgitation (Cavero, Pulpón, & others) 1996;61:1530–2,CR
Mitral valve replacement in the transplanted heart (Myers & Coopwood) 1996;61:1832–3,CR
Multivariate analysis of factors affecting waiting time to heart transplantation (Chen, Weinberg, & others) 1996;61: 570–5*
Neurologic sequelae of deep hypothermic circulatory arrest in cardiac transplant infants (Eke, Gundry, & others) 1996; 61:783–8*
Safety of repeat aprotinin administration for LVAD recipients undergoing cardiac transplantation (Goldstein, Oz, & others) 1996;61:692–5*
Steroid administration in heart and heart–lung transplantation: is the timing adequate? (Wan, DeSmet, & others) 1996;61:674–8*

Heart valve diseases

Atrial activation during chronic atrial fibrillation in patients with isolated mitral valve disease (Harada, Sasaki, & others) 1996;61:104–12*
Blood cyst of the tricuspid valve (Sim, Wong, & others) 1996;61:1012–3,CR
Determinants of early and late results of combined valve operations and coronary artery bypass grafting (Flameng, Herijgers, & others) 1996;61:621–8*
Endarterectomy for calcified porcelain aorta associated with aortic valve stenosis (Svensson, Sun, & others) 1996;61: 149–52*
Primary cardiac valve tumors (Pezzella) 1996;61:1041–2,CP

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Isolated lung perfusion with tumor necrosis factor for pulmonary metastases (Pass, Mew, & others) 1996;61:1609–17*
Multimodality therapy in stage III non–small cell lung cancer (Edelman, Gandara, & others) 1996;61:1564–72,CV
Pericardial repair after extensive resection: another use for the pedicled diaphragmatic flap (Goldstraw & Jiao) 1996;61:1112–4*
Plasma cell granuloma of the lung: difficulties in diagnosis and prognosis (Copin, Gosselin, & Ribet) 1996;61:1477–82*
Resection of an unsuspected primary pulmonary choriocarcinoma (Canver & Voytovich) 1996;61:1249–51,CR
Resection of multiple pulmonary metastases from a recurrent intracranial meningioma (Murrah, Ferguson, & others) 1996;61:1823–4,CR
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Results of surgical treatment of patients with T3 non–small cell lung cancer (Nakahashi, Yasumoto, & Sugimachi) 1996;61:273–4,UP
Should cavitated bronchopulmonary cancers be considered a separate entity? (Mouroux, Padovani, & others) 1996;61:530–2*
Squamous cell carcinoma of the lung: an unusual metastasis to pectoralis muscle (McKeown, Conant, & Auerbach) 1996;61:1525–6,CR
Successful management of massive pulmonary tumor embolism from renal cell carcinoma (Kubota, Furuse, & others) 1996;61:708–10,CR
Total vertebrectomy for en bloc resection of lung cancer invading the spine (Grunenwald, Mazel, & others) 1996;61:723–6,CR
Unsuspected lung cancer found in work-up for lung reduction operation (Pigula, Keenan, & others) 1996;61:174–6*

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Contralateral pneumonectomy after single-lung transplantation for emphysema (Novick, Gehman, & others) 1996;61:1286–7,UP
Critical importance of the first 10 minutes of lung graft reperfusion after hypothermic storage (Bhabra, Hopkinson, & others) 1996;61:1631–5*
Diaphragmatic paralysis: a complication of lung transplantation (Maziak, Maurer, & Kesten) 1996;61:170–3*
Double-lung transplantation in the rat: an acute, syngeneic in situ model (Hausen, Demertzis, & others) 1996;61:184–9*
Effective 30-hour preservation of canine lungs with modified ET-Kyoto solution (Wada, Liu, & others) 1996;61:1099–105*
ET-Kyoto solution for 48-hour canine lung preservation (Wada, Fukuse, & others) 1996;61:963–8*
Extended lung presevation with the use of hibernation trigger factors (Oeltgen, Horton, & others) 1996;61:1488–93*
Inhalation of nitric oxide after lung transplantation (Lindberg, Sjöberg, & others) 1996;61:956–62*
Late contralateral lobectomy after single-lung transplantation for emphysema (Le Pimpec-Barthes, Debrosse, & others) 1996;61:231–4,CR
Lidocaine reduces reperfusion injury and neutrophil migration in canine lung allografts (Schmid, Yamashita, & others) 1996;61:949–55*
Low-potassium solution for lung preservation in the setting of high-flow reperfusion (DeLima, Binns, & others) 1996;61:973–6*
Pentoxifylline in flush solution improves early lung allograft function (Yamashita, Schmid, & others) 1996;61:1055–61*
Therapy for lung failure using nitric oxide inhalation and surfactant replacement (Strüber, Brandt, & others) 1996;61:1543–5,CR
Vascular complications of lung transplantation (Clark, Levine, & others) 1996;61:1079–82*

Lymph nodes
Detection of disseminated lung cancer cells in lymph nodes: impact on staging and prognosis (Passlick, Izbicki, & others) 1996;61:177–83*

Lymphoma
Primary cardiac lymphoma: echocardiographic characterization and successful resection (Sommers, Edmundowicz, & others) 1996;61:1001–3,CR
Primary cardiac lymphoma (Margolin, Fabian, & others) 1996;61:1000–1,CR

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Experimental retrograde cerebral perfusion via bilateral maxillary vein in dogs (Nojima, Onoe, & others) 1996;61:1289–90,CP; Reply (Flameng) 1996;61:1290–1,CP
Mediastinal cyst
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Extramedullary hematopoiesis simulating posterior mediastinal tumors (Loh, Alcorta, & McElhinney) 1996;61:1003–5,CR
Pulmonary venous aneurysm presenting as a middle mediastinal mass (DeBoer, Margolis, & others) 1996;61:1261–2,CR
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Closed drainage using Redon catheters for local treatment of poststernotomy mediastinitis (Calvat, Trouillet, & others) 1996;61:195–201*
Postoperative mediastinitis: classification and management (El Oakley & Wright) 1996;61:1030–6,CV
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Mediastinoscopy and superior vena caval obstruction (Mineo) 1996;61:275–6,CP
Mediastinum
Posterior dislocation of the sternoclavicular joint leading to mediastinal compression (Jougon, Lepront, & Dromer) 1996;61:711–3,CR
Primary sternal closure and mediastinal decompression by inlay autologous rib grafts (Geiger, Tabak, & Aronstam) 1996;61:215–6,CR
Melanoma
Complete resection of a right atrial intracavitary metastatic melanoma (Chen, Gaos, & Frazier) 1996;61:1255–7,CR
Meningioma
Resection of multiple pulmonary metastases from a recurrent intracranial meningioma (Murrah, Ferguson, & others) 1996;61:1823–4,CR
Mesentary
Mesenteric ischemia after a cardiac operation: conservative treatment with local vasodilation (Niederhäuser, Genoni, & others) 1996;61:1817–9,CR
Metabolism
Effect of L-arginine on metabolic recovery of the ischemic myocardium (Carrier, Khalil, & others) 1996;61:1651–7*
Nitric oxide production affects cerebral perfusion and metabolism after deep hypothermic circulatory arrest (Tsui, Kirshbom, & others) 1996;61:1699–707*
Methanesulfonates
Improved cardiac function after prolonged hypothermic ischemia with the Na^+/H^+ exchange inhibitor HOE 694 (Myers & Karmazyn) 1996;61:1400–6*
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Resinous plate for permanent sternal splinting in patients with extracardiac conduits (Kawauchi, Furuse, & others) 1996;61:1245–6,CR
Milrinone
Influence of milrinone and norepinephrine on blood flow in canine internal mammary artery grafts (Gitter, Anderson, & Jett) 1996;61:1367–71*
Mitral valve
Atrial activation during chronic atrial fibrillation in patients with isolated mitral valve disease (Harada, Sasaki, & others) 1996;61:104–12*
Bench repair of donor mitral valve before heart transplantation (Massad, Smedira, & others) 1996;61:1833–5,CR
Closed mitral valvotomy: tactile control (Neelakandan) 1996;61:775–6,CP
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Importance of preserving the mitral subvalvular apparatus in mitral valve replacement (Natsuaki, Itoh, & others) 1996;61:585–90*
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Mitral valve injury after blunt chest trauma (McDonald, Orszulak, & others) 1996;61:1024–9,CV
Mitral valve reconstruction in sickle cell disease (Pagani, Polito, & Bolling) 1996;61:1841–3,CR
Mitral valve remodeling: long-term results with posterior pericardial annuloplasty (Scrofani, Moriggia, & others) 1996;61:895–9*
Mitral valve replacement in the transplanted heart (Myers & Coopwood) 1996;61:1832–3,CR
Successful surgical repair of left atrial dissection after mitral valve replacement (Sekino, Sadahiro, & Tabayashi) 1996;61:1528–30,CR
Video-assisted mitral valve operations (Lin, Chang, & others) 1996;61:1781–7*
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Alternative technique for assessment and repair of the mitral valve (Sundt, Khaghani, & Yacoub) 1996;61:1552–4,HW
Annuloplasty for severe mitral regurgitation due to dilated cardiomyopathy (Kameda, Kitamura, & others) 1996;61:1829–32,CR
Blunt traumatic rupture of a mitral papillary muscle head (Smedira, Zikri, & others) 1996;61:1526–8,CR
Mitral valve replacement in a heart transplant recipient with iatrogenic mitral regurgitation (Cavero, Pulpón, & others) 1996;61:1530–2,CR
Morbidity
Prospective analysis of pneumonectomy: risk factors for major morbidity and cardiac dysrhythmias (Harpole, Liptay, & others) 1996;61:977–82*
Morphometry
Morphometric analysis of the right gastroepiploic artery and the internal mammary artery (Malhotra, Bedi, & others) 1996;61:124–7*
Mortality
Early mortality after surgical repair of postinfarction ventricular septal rupture: importance of rupture location (Cox, Morshuis, & others) 1996;61:1752–8*
Mortality and neurologic morbidity after repair of traumatic aortic disruption (Nicolosi, Almassi, & others) 1996;61:875–8*
No continuous relationship between Veterans Affairs hospital coronary artery bypass grafting surgical volume and operative mortality (Shroyer, Marshall, & others) 1996;61:17–20*
Outcome versus volume in coronary bypass operations (Parsonnet & Bernstein) 1996;61:1879–80,CP
Muscle, smooth, vascular
Importance of calcium in long-term preservation of the vasculature (Ingemansson, Sjöberg, & Steen) 1996;61:1158–62*

Muscle, smooth, vascular (cont'd)
Reduced prostacyclin and increased leukotriene B_4 synthesis in porcine venous-arterial grafts (Jeremy, Izzat, & others) 1996;41:143–8*
***Mycoplasma* infections**
Mycoplasma hominis infections occuring in cardiovascular surgical patients (Sielaff, Everett, & others) 1996;61:99–103*
Myocardial contraction
Beneficial effects of myocyte preconditioning on contractile processes after cardioplegic arrest (Zellner, Hebbar, & others) 1996;61:558–64*
Left ventricular contributions to right ventricular systolic function during LVAD support (Santamore & Gray) 1996; 61:350–6*
Myocardial diseases
Effect of L-arginine on metabolic recovery of the ischemic myocardium (Carrier, Khalil, & others) 1996;61:1651–7*
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Early mortality after surgical repair of postinfarction ventricular septal rupture: importance of rupture location (Cox, Morshuis, & others) 1996;61:1752–8*
Peri-infarct pursestring for repair of subacute cardiac rupture (John & O'Riordan) 1996;61:728–30,CR
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Repair of postinfarction ventricular septal defect on a beating heart (Takahashi, Kadoba, & others) 1996;61:1816–7,CR
Right ventricular aneurysm associated with postinfarction ventricular septal defect (Nahas, Jones, & others) 1996;61: 737–8,CR
Myocardial reperfusion
Myocardial salvage by the use of reperfusion and intraaortic balloon pump: expermental study (Nanas, Nanas, & others) 1996;61:629–34*
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Histologic appearance of transmyocardial laser channels after 4½ weeks (Burkhoff, Fisher, & others) 1996;61:1532–5,CR
Influence of milrinone and norepinephrine on blood flow in canine internal mammary artery grafts (Gitter, Anderson, & Jett) 1996;61:1367–71*
Maximal utilization of the left internal mammary artery for coronary bypass grafting (Bonchek, Burlingame, & others) 1996;61:1848–9,HW
Morphometric analysis of the right gastroepiploic artery and the internal mammary artery (Malhotra, Bedi, & others) 1996;61:124–7*
Myocardial revascularization (Whittaker) 1996;61:1874–5,CP; Reply (Tsang & Chiu) 1996;61:1875,RP
Prediction of outcome after revascularization in patients with poor left ventricular function (Chan, Raman, & others) 1996;61:1428–34*
Retention of endothelium-dependent properties in human mammary arteries after cryopreservation (Pompilio, Polvani, & others) 1996;61:667–73*
Right internal thoracic artery through the transverse sinus in myocardial revascularization (Gerola, Puig, & others) 1996;61:1708–13*
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Cellular cardiomyoplasty (Christlieb) 1996;61:772–3,CP; Reply (Chiu, Zibaitis, & Kao) 1996;61:773,CP
Comparisons of methods of myocardial hypothermia for cardiac transplantation (Daily, Adamson, & others) 1996;61: 679–83*
Improved cardiac function after prolonged hypothermic ischemia with the Na^+/H^+ exchange inhibitor HOE 694 (Myers & Karmazyn) 1996;61:1400–6*
Influence of prolonged ventricular assistance on myocardial histopathology in intact heart (Kinoshita, Takano, & others) 1996;61:640–5*
Is the preconditioning response conserved in senescent myocardium? (Burns, Krukenkamp, & others) 1996;61:925–9*
Myocardial protection: modern studies (Krukenkamp & Levitsky) 1996;61:1581–2,KR
Myocardial protection with pinacidil cardioplegia in blood-perfused heart (Lawton, Harrington, & others) 1996;61: 1680–8*
Neonatal myocardial oxygen consumption during ventricular fibrillation, hypothermia, and potassium arrest (Jessen, Abd-Elfattah, & Wechsler) 1996;61:87–7*
Normothermic techniques during open heart operations (Birdi, Izzat, & others) 1996;61:1573–80,CV
Optimal myocardial preservation: cooling, cardioplegia, and conditioning (Cleveland, Meldrum, & others) 1996;61: 760–8,CV
Regional effects of aortomyoplasty in acute ischemia (Cardone, Yoon, & others) 1996;61:426–9*
Uniformity of perfusion in all regions of the human heart by warm continuous retrograde cardioplegia (Gundry, Wang, & others) 1996;61:33–5*
Myocyte
Beneficial effects of myocyte preconditioning on contractile processes after cardioplegic arrest (Zellner, Hebbar, & others) 1996;61:558–64*
Myotomy
Onset timing of delayed complications and criteria of follow-up after operation for esophageal achalasia (Di Simone, Felice, & others) 1996;61:1106–11*
Myxoma
Surgical treatment of right ventricular myxoma in infancy (Talmor, Caspi, & others) 1996;61:1835–6,CR

Needles
Echocardiography-guided pericardiocentesis with a needle attached to a probe (Suehira, Hattori, & others) 1996;61: 741–2,HW
Subclavian needle versus cutdown? Consider the risk (Wagner) 1996;61:1288,CP
Neoplasm circulating cells
Successful management of massive pulmonary tumor embolism from renal cell carcinoma (Kubota, Furuse, & others) 1996;61:708–10,CR
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Brain metastasis in resected lung cancer: value of intensive follow-up with computed tomography (Yokoi, Miyazawa, & Arai) 1996;61:546–51*
Complete resection of a right atrial intracavitary metastatic melanoma (Chen, Gaos, & Frazier) 1996;61:1255–7,CR
Detection of disseminated lung cancer cells in lymph nodes: impact on staging and prognosis (Passlick, Izbicki, & others) 1996;61:177–83*
En bloc resection of lung cancer invading the spine (Grunenwald, Mazel, & others) 1996;61:1878–9,CP
Excellent survival in a subgroup of patients with intrapulmonary metastasis of lung cancer (Nakajima, Furuse, & others) 1996;61:158–63*
Isolated lung perfusion with tumor necrosis factor for pulmonary metastases (Pass, Mew, & others) 1996;61:1609–17*
Leiomyosarcoma of the pulmonary veins with extension to the left atrium (Gyhra, Santander, & others) 1996;61:1840–1,CR

Resection of multiple pulmonary metastases from a recurrent intracranial meningioma (Murrah, Ferguson, & others) 1996;61:1823–4,CR
Squamous cell carcinoma of the lung: an unusual metastasis to pectoralis muscle (McKeown, Conant, & Auerbach) 1996;61:1525–6,CR
Total vertebrectomy for en bloc resection of lung cancer invading the spine (Grunenwald, Mazel, & others) 1996; 61:723–6,CR

Neoplasm recurrence, local
Isolated incisional recurrence after curative resection for primary lung cancer (Yokoi, Miyazawa, & Imura) 1996;61: 1236–7,CR

Neoplasm staging
Angiogenesis and molecular biologic substaging in patients with stage I non–small cell lung cancer (Harpole, Richards, & others) 1996;61:1470–6*
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Is the current system of staging lung cancer the best it can be? (Wagner) 1996;61:1877,CP

Neovascularization
Angiogenesis and molecular biologic substaging in patients with stage I non–small cell lung cancer (Harpole, Richards, & others) 1996;61:1470–6*

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Mortality and neurologic morbidity after repair of traumatic aortic disruption (Nicolosi, Almassi, & others) 1996;61: 875–8*
Neurologic injury in cardiac surgical patients with a history of stroke (Redmond, Greene, & others) 1996;61:42–7*
Neurologic sequelae of deep hypothermic circulatory arrest in cardiac transplant infants (Eke, Gundry, & others) 1996; 61:783–8*
Serum S100 protein: a potential marker for cerebral events during cardiopulmonary bypass (Westaby, Johnsson, & others) 1996;61:88–92*
Valve replacement in patients with endocarditis and acute neurologic deficit (Gillinov, Shah, & others) 1996;61:1125–30*

Neurons
Neuronal damage after hypothermic circulatory arrest and retrograde cerebral perfusion in the pig (Ye, Yang, & others) 1996;61:1316–22*

Neuropsychology
Defining neuropsychological dysfunction after coronary artery bypass grafting (Mahanna, Blumenthal, & others) 1996;61:1342–7*
Neurobehavioral tests are monitoring tools used to improve cardiac surgery outcome (Stump, Rogers, & Hammon) 1996;61:1295–6,ED

Neutrophils
Lidocaine reduces reperfusion injury and neutrophil migration in canine lung allografts (Schmid, Yamashita, & others) 1996;61:949–55*

Nickel
Sensitivity to sternotomy wires may cause postoperative pruritus (Gordon, Buxton, & others) 1996;61:1514–6,CR

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Effect of L-arginine on metabolic recovery of the ischemic myocardium (Carrier, Khalil, & others) 1996;61:1651–7*
Inhalation of nitric oxide after lung transplantation (Lindberg, Sjöberg, & others) 1996;61:956–62*
Inhaled nitric oxide: therapeutic applications in cardiothoracic surgery (Fullerton & McIntyre) 1996;61:1856–64,CV
Inhaled nitric oxide as an adjunct to pulmonary thromboendarterectomy (Pinelli, Mertes, & others) 1996;61:227–9,CR
Nitric oxide in the oxygenator sweep gas reduces platelet activation during experimental perfusion (Mellgren, Friberg, & others) 1996;61:1194–8*
Nitric oxide production affects cerebral perfusion and metabolism after deep hypothermic circulatory arrest (Tsui, Kirshbom, & others) 1996;61:1699–707*
Pulmonary vasoconstriction due to impaired nitric oxide production after cardiopulmonary bypass (Morita, Ihnken, & others) 1996;61:1775–80*
Therapy for lung failure using nitric oxide inhalation and surfactant replacement (Strüber, Brandt, & others) 1996; 61:1543–5,CR

Nitroprusside
Effect of nitroglycerin on spinal cord ischemia after thoracic aortic cross-clamping (Simpson, Eide, & others) 1996;61: 113–7*

Norepinephrine
Influence of milrinone and norepinephrine on blood flow in canine internal mammary artery grafts (Gitter, Anderson, & Jett) 1996;61:1367–71*

Nursing
Discussion of nursing the VAD patient (Ley, Fey, & others) 1996;61:474–5*
Nursing experience with the VAD patient: what's hot and what's not (Moroney) 1996;61:469–70*
Nursing experience with the VAD patient: what's hot and what's not (Rountree) 1996;61:471–3*

Optic nerve diseases
Anterior ischemic optic neuropathy after open heart operations (Shapira, Kimmel, & others) 1996;61:660–7*

Organ preservation
Comparison of UW solution and St. Thomas' solution in the rat: importance of potassium concentration (Rosenfeldt, Conyers, & others) 1996;61:576–84*
Comparisons of methods of myocardial hypothermia for cardiac transplantation (Daily, Adamson, & others) 1996;61: 679–83*
Critical importance of the first 10 minutes of lung graft reperfusion after hypothermic storage (Bhabra, Hopkinson, & others) 1996;61:1631–5*
Double-lung transplantation in the rat: an acute, syngeneic in situ model (Hausen, Demertzis, & others) 1996;61:184–9*
Effect of temperature in long-term preservation of vascular endothelial and smooth muscle function (Ingemansson, Budrikis, & others) 1996;61:1413–7*
Effective 30-hour preservation of canine lungs with modified ET-Kyoto solution (Wada, Liu, & others) 1996;61:1099–105*
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Importance of calcium in long-term preservation of the vasculature (Ingemansson, Sjöberg, & Steen) 1996;61:1158–62*
Low-potassium solution for lung preservation in the setting of high-flow reperfusion (DeLima, Binns, & others) 1996;61: 973–6*
Trehalose-containing solutions enhance preservation of cultured endothelial cells (Isowa, Hitomi, & Wada) 1996;61: 542–5*

Orgaran
Cardiopulmonary bypass in patients with heparin-induced thrombocytopenia using Org 10172 (Wilhelm, Schmid, & others) 1996;61:920–4*
Osteogenesis imperfecta
Repeat cardiac operation in a patient with osteogenesis imperfecta (Cusimano) 1996;61:1294,CP
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Our surgical heritage
Anton P. Chekhov, MD (1860–1904): dual medical and literary careers (Carter) 1996;61:1557–63,SH
F. John Lewis, MD: 1916–1993 (Shumway) 1996;61:250–1,SH
Rival trailblazers: the origins of successful closed valvular surgery (Dobell) 1996;61:750–4,SH
Outcome and process assessment (health care)
Clinical usefulness of risk-stratified outcome analysis in cardiac surgery in New Jersey (Parsonnet, Bernstein, & Gera) 1996;61:S8–11*
Outcome analysis using hazard function methodology (Blackstone) 1996;61:S2–7*
Outcome as a function of annual coronary artery bypass graft volume (Clark & Ad Hoc Committee on Cardiac Surgery Credentialing of The Society of Thoracic Surgeons) 1996;61:21–6*
Volume requirements for cardiac surgery credentialing: a critical examination (Crawford, Anderson, & others) 1996;61:12–6*
Oximetry
Cerebral oxygenation measured by near-infrared spectroscopy: comparison with jugular bulb oximetry (Daubeney, Pilkington, & others) 1996;61:930–4*
Oxygen
Thromboxane receptor blockade improves oxygenation in an experimental model of acute lung injury (Thies, Corbin, & others) 1996;61:1453–7*
Oxygen consumption
Neonatal myocardial oxygen consumption during ventricular fibrillation, hypothermia, and potassium arrest (Jessen, Abd-Elfattah, & Wechsler) 1996;61:87–7*
Oxygenation
Cerebral oxygenation measured by near-infrared spectroscopy: comparison with jugular bulb oximetry (Daubeney, Pilkington, & others) 1996;61:930–4*
Oxygenators
Beneficial effects of Duraflo II heparin-coated circuits on postperfusion lung dysfunction (Ranucci, Cirri, & others) 1996;61:76–81*
Nitric oxide in the oxygenator sweep gas reduces platelet activation during experimental perfusion (Mellgren, Friberg, & others) 1996;61:1194–8*

Papaverine
Skeletonized and pedicled internal thoracic artery grafts: effect on free flow during bypass (Choi & Lee) 1996;61:909–13*
Papillary muscles
Blunt traumatic rupture of a mitral papillary muscle head (Smedira, Zikri, & others) 1996;61:1526–8,CR
Paraganglioma
Paraganglioma of the interatrial septum (Cane, Berrizbeitia, & others) 1996;61:1845–7,CR
Paralysis
Combined left-sided recurrent laryngeal and phrenic nerve palsy after coronary artery operation (Tewari & Aggarwal) 1996;61:1721–3*
Paraplegia
Effect of nitroglycerin on spinal cord ischemia after thoracic aortic cross-clamping (Simpson, Eide, & others) 1996;61:113–7*
Patient admission
Patient characteristics, safety, and benefits of same-day admission for coronary artery bypass grafting (Arom, Emery, & others) 1996;61:1136–40*
Patient discharge
Discharging patients who are undergoing mechanical circulatory support (Winowich, Nastala, & others) 1996;61:478–9*
Pectoralis muscles
Primary repair of complete sternal cleft with pectoralis major muscle flaps (Snyder, Robbins, & Ramos) 1996;61:983–4,CR
Squamous cell carcinoma of the lung: an unusual metastasis to pectoralis muscle (McKeown, Conant, & Auerbach) 1996;61:1525–6,CR
Perfusion, regional
Comparative experimental study of cerebral protection during aortic arch reconstruction (Sakurada, Kazui, & others) 1996;61:1348–54*
Distal limb protection during cardiopulmonary bypass (Fukunaga, Egashira, & others) 1996;61:1292,CP
Experimental retrograde cerebral perfusion via bilateral maxillary vein in dogs (Nojima, Onoe, & others) 1996;61:1289–90,CP; Reply (Flameng) 1996;61:1290–1,CP
Isolated lung perfusion with doxorubicin reduces cardiac and host toxicities associated with systemic administration (Ng, Hochwald, & Burt) 1996;61:969–72*
Isolated lung perfusion with tumor necrosis factor for pulmonary metastases (Pass, Mew, & others) 1996;61:1609–17*
Limb perfusion during cardiopulmonary support (Peek, Firmin, & Sosnowski) 1996;61:1291,CP; Reply (Greason, Hemp, & others) 1996;61:1291–2,CP
Neuronal damage after hypothermic circulatory arrest and retrograde cerebral perfusion in the pig (Ye, Yang, & others) 1996;61:1316–22*
Nitric oxide production affects cerebral perfusion and metabolism after deep hypothermic circulatory arrest (Tsui, Kirshbom, & others) 1996;61:1699–707*
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Selective cerebral perfusion technique during aortic arch repair in neonates (Asou, Kado, & others) 1996;61:1546–8,HW
Simple wide-brimmed coronary perfusion cannula for the widely patent coronary ostium (Terada, Mitsui, & others) 1996;61:748–9,HW
Uniformity of perfusion in all regions of the human heart by warm continuous retrograde cardioplegia (Gundry, Wang, & others) 1996;61:33–5*
Pericardial effusion
Echocardiography-guided pericardiocentesis with a needle attached to a probe (Suehira, Hattori, & others) 1996;61:741–2,HW
Pericardiocentesis
Echocardiography-guided pericardiocentesis with a needle attached to a probe (Suehira, Hattori, & others) 1996;61:741–2,HW

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Autologous tissue cardiac valve for aortic valve replacement: technical aspects and early results (Gross, Simon, & others) 1996;61:1759–63*
Defibrillator patch constriction (Lemmer) 1996;61:1042,CP; Reply (Ferguson) 1996;61:1042,CP
The last generation of pericardial valves in the aortic position: ten-year follow-up in 589 patients (Aupart, Sirinelli, & others) 1996;61:615–20*
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The use of autologous pericardium for ventricular aneurysm closure (Fiore, Misbach, & others) 1996;61:271–2,UP
Ventricular septal aneurysm after atrioventricular septal repair with pericardium (Burkhart, Moody, & others) 1996;61:1838–9,CR

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Laparoscopic fundoplication: a natural extension for the thoracic surgeon (Naunheim, Landreneau, & others) 1996;61:1062–5*
Safe application of diagnostic laparoscopy during biventricular assistance (Prendergast, Ortega, & others) 1996;61:735–7,CR

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Surgical repair of transposition of the great arteries in neonates with persistent pulmonary hypertension (Luciani, Chang, & Starnes) 1996;61:800–5*

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Pneumothorax and wound dehiscence related to collagenase deregulation: treatment with diphenylhydantoin (O'Toole, Kolb, & others) 1996;61:1646–50*

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Pheochromocytomas with extension into central vascular structures (Rötker, Oberpennig, & others) 1996;61:222–4,CR

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Combined left-sided recurrent laryngeal and phrenic nerve palsy after coronary artery operation (Tewari & Aggarwal) 1996;61:1721–3*
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Immediate long-term results after surgical treatment of primary spontaneous pneumothorax by VATS (Bertrand, Regnard, & others) 1996;61:1641–5*
Pneumothorax and wound dehiscence related to collagenase deregulation: treatment with diphenylhydantoin (O'Toole, Kolb, & others) 1996;61:1646–50*
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Postoperative complications (cont'd)
Closed drainage using Redon catheters for local treatment of poststernotomy mediastinitis (Calvat, Trouillet, & others) 1996;61:195–201*
Combined left-sided recurrent laryngeal and phrenic nerve palsy after coronary artery operation (Tewari & Aggarwal) 1996;61:1721–3*
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Development of subneopulmonary obstruction early after arterial switch operation in an adult (Alexi-Meskishvili, Uhlemann, & others) 1996;61:1518–20,CR
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Discussion of infection (Hetzer & Portner) 1996;61:372–3*
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Late aneurysm after subclavian flap aortoplasty for coarctation of the aorta (Kino, Sano, & others) 1996;61:1262–4,CR
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Mesenteric ischemia after a cardiac operation: conservative treatment with local vasodilation (Niederhäuser, Genoni, & others) 1996;61:1817–9,CR
Neurologic injury in cardiac surgical patients with a history of stroke (Redmond, Greene, & others) 1996;61:42–7*
Onset timing of delayed complications and criteria of follow-up after operation for esophageal achalasia (Di Simone, Felice, & others) 1996;61:1106–11*
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Reactivity to alpha agonists is heightened in immature porcine pulmonary arteries (Kadletz, Dignan, & Wechsler) 1996;61:1359–62*
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ET-Kyoto solution for 48-hour canine lung preservation (Wada, Fukuse, & others) 1996;61:963–8*
Low-potassium solution for lung preservation in the setting of high-flow reperfusion (DeLima, Binns, & others) 1996;61: 973–6*
Potassium channels
Is potassium channel opening an effective form of preconditioning before cardioplegia? (Menasché, Mouasa, & Grousset) 1996;61:1764–8*
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Pregnancy
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Traumatic rupture of the thoracic aorta during the second trimester of pregnancy (Lemermeyer, Talwar, & others) 1996;61:1541–3,CR
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A model for predicting transfusion after coronary artery bypass grafting (Magovern, Sakert, & others) 1996;61:27–32*
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Presidential address
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Metamorphosis (Benfield) 1996;61:1045–50,PA
President's page
I have seen the future and it is on the Internet (Replogle) 1996;61:1601–2,ED
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Problem solving
Clinical problem-solving: multidisciplinary case review (Lohmann) 1996;61:480–1*
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Procainamide
Interference with anticoagulation monitoring by procainamide-induced lupus anticoagulant (Metzdorff, Hansen, & others) 1996;61:994–5,CR
Prostaglandins
Reduced prostacyclin and increased leukotriene B_4 synthesis in porcine venous-arterial grafts (Jeremy, Izzat, & others) 1996;41:143–8*
Protein-losing enteropathies
Protein-losing enteropathy after Fontan operation: resolution after baffle fenestration (Jacobs, Rychik, & others) 1996;61: 206–8,CR
Pulmonary artery
Anterior pulmonary translocation without conduit for the repair of truncus arteriosus (Nakae, Kawada, & others) 1996;61:990–2,CR
Aortopulmonary fenestration with pulmonary artery septation for single ventricle and subaortic obstruction (Pridjian & Ochsner) 1996;61:997–1000,CR
Complete repair of PA-VSD with diminutive or discontinuous pulmonary arteries by transverse thoracosternotomy (Moritz, Marx, & others) 1996;61:646–50*
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The surgical challenge of primary pulmonary artery sarcoma (Mazzucco & Santini) 1996;61:278–9,CP; Reply (Jamieson) 1996;61:279,CP
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Diagnosis and management of pulmonary embolism (Greenfield & Proctor) 1996;61:1037,KR
Massive endobronchial hemorrhage after pulmonary embolectomy (Shimokawa, Uehara, & others) 1996;61:1241–2,CR
Pulmonary artery sarcoma mimicking pulmonary embolism: successful surgical intervention (Akomea-Agyin, Dussek, & others) 1996;61:1536–8,CR
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Contralateral pneumonectomy after single-lung transplantation for emphysema (Novick, Gehman, & others) 1996;61: 1286–7,UP
Late contralateral lobectomy after single-lung transplantation for emphysema (Le Pimpec-Barthes, Debrosse, & others) 1996;61:231–4,CR
Lung volume reduction surgery: lessons learned (Miller, Lee, & Mansour) 1996;61:1464–9*
Unilateral video-assisted thoracic surgical lung reduction (Naunheim, Keller, & others) 1996;61:1092–8*
Unsuspected lung cancer found in work-up for lung reduction operation (Pigula, Keenan, & others) 1996;61:174–6*
Use of the Heimlich valve to shorten hospital stay after lung reduction surgery for emphysema (McKenna, Fischel, & others) 1996;61:1115–7*

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Effects of cardiopulmonary bypass temperature on pulmonary gas exchange after coronary artery operations (Birdi, Regragui, & others) 1996;61:118–23*
Pulmonary valve
Autologous monocusp pulmonay valve: preliminary results (Mishaly, Birk, & others) 1996;61:1811–5*
Excision of a pulmonary valve abscess in a 61-year-old woman with single ventricle (Warner, Payne, & others) 1996;61:213–5,CR
Pulmonary veins
Leiomyosarcoma of the pulmonary veins with extension to the left atrium (Gyhra, Santander, & others) 1996;61:1840–1,CR
Pulmonary venous aneurysm presenting as a middle mediastinal mass (DeBoer, Margolis, & others) 1996;61:1261–2,CR
Simple technique of left heart bypass (Lick, Conti, & others) 1996;61:1555–6,HW
Truncus arteriosus with total anomalous pulmonary venous return and interrupted arch (Berdjis, Wells, & Starnes) 1996;61:220–2,CR

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Prospective study of quality of life before and after open heart operations (Chocron, Etievent, & others) 1996;61:153–7*

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Use of verapamil and nitroglycerin solution in preparation of radial artery for coronary grafting (He & Yang) 1996;61:610–4*
Radiation injuries
Delayed chylothorax after irradiation (Neelakandan, Neelakandhan, & Gupta) 1996;61:277,CP
Radiotherapy
Multimodality therapy in stage III non–small cell lung cancer (Edelman, Gandara, & others) 1996;61:1564–72,CV
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A randomized study would answer the question (Jollis & Califf) 1996;61:513–4,ED
Regional blood flow
Flow reserve capacity of left internal thoracic artery 23 years after Vineberg procedure (Nasu, Akasaka, & others) 1996;61:1242–4,CR
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Clinical trial of retrograde warm blood reperfusion versus standard cold topical irrigation of transplanted hearts (Carrier, Leung, & others) 1996;61:1310–5*
Critical importance of the first 10 minutes of lung graft reperfusion after hypothermic storage (Bhabra, Hopkinson, & others) 1996;61:1631–5*
Low-potassium solution for lung preservation in the setting of high-flow reperfusion (DeLima, Binns, & others) 1996;61:973–6*
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Pentoxifylline in flush solution improves early lung allograft function (Yamashita, Schmid, & others) 1996;61:1055–61*
Therapy for lung failure using nitric oxide inhalation and surfactant replacement (Strüber, Brandt, & others) 1996;61:1543–5,CR
Respiratory distress syndrome, adult
Thromboxane receptor blockade improves oxygenation in an experimental model of acute lung injury (Thies, Corbin, & others) 1996;61:1453–7*
Respiratory function
Beneficial effects of Duraflo II heparin-coated circuits on postperfusion lung dysfunction (Ranucci, Cirri, & others) 1996;61:76–81*
Respiratory function tests
Preoperative assessment of the high-risk patient for lung resection (Pate, Tenholder, & others) 1996;61:1494–500*
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Therapy for lung failure using nitric oxide inhalation and surfactant replacement (Strüber, Brandt, & others) 1996;61:1543–5,CR
Respiratory paralysis
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Resuscitation
Cardiopulmonary bypass for resuscitation after penetrating cardiac trauma (Karmy-Jones, van Wijngaarden, & others) 1996;61:1244–5,CR
Surviving resuscitation: successful repair of cardiac rupture (Bitkover, Al-Khalili, & others) 1996;61:710–1,CR
Ribs
First-rib exostosis bursa (Gupta, Gaikwad, & others) 1996;61:219–20,CR
Primary sternal closure and mediastinal decompression by inlay autologous rib grafts (Geiger, Tabak, & Aronstam) 1996;61:215–6,CR
Risk
Preoperative prediction of postoperative morbidity in coronary artery bypass grafting (Kurki & Kataja) 1996;61:1740–5*
Risk management
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Cardiac surgery in a fixed-reimbursement environment (Scully) 1996;61:S16–20*
Clinical usefulness of risk-stratified outcome analysis in cardiac surgery in New Jersey (Parsonnet, Bernstein, & Gera) 1996;61:S8–11*
Cost/benefit analysis of pharmacologic hemostasis (Harmon) 1996;61:S21–5*
Discussion of risk management in CABG 1996;61:S33–4*
Implications of cost in treatment selection for patients with coronary heart disease (Mark) 1996;61:S12–5*
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Mechanisms to reduce hospital stays (Engelman) 1996;61:S26–9*
Outcome analysis using hazard function methodology (Blackstone) 1996;61:S2–7*
Rupture
Blunt traumatic rupture of a mitral papillary muscle head (Smedira, Zikri, & others) 1996;61:1526–8,CR

Saphenous vein
Modified Blalock-Taussig shunt using allograft saphenous vein: six years' experience (Bogáts, Kertész, & others) 1996;61:58–62*

Reduced prostacyclin and increased leukotriene B_4 synthesis in porcine venous-arterial grafts (Jeremy, Izzat, & others) 1996;41:143–8*

Sarcoidosis

Sensitivity to sternotomy wires may cause postoperative pruritus (Gordon, Buxton, & others) 1996;61:1514–6,CR

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Pulmonary artery sarcoma mimicking pulmonary embolism: successful surgical intervention (Akomea-Agyin, Dussek, & others) 1996;61:1536–8,CR

The surgical challenge of primary pulmonary artery sarcoma (Mazzucco & Santini) 1996;61:278–9,CP; Reply (Jamieson) 1996;61:279,CP

Septic syndrome

Critical-illness polyneuropathy complicating cardiac operation (Alhan, Çakalağaoğlu, & others) 1996;61:1237–9,CR

Septostomy

Surgical atrial septostomy without cardiopulmonary bypass (Kawahira, Kishimoto, & others) 1996;61:1016–8,HW

Serine proteinase inhibitors

Genetically engineered serine protease inhibitor for hemostasis after cardiac operations (Ohri, Paratt, & others) 1996; 61:1223–30*

Shock, cardiogenic

Extracorporeal membrane oxygenation for postcardiotomy cardiogenic shock (Muehrcke, McCarthy, & others) 1996; 61:684–91*

Hemopump 31, the sternotomy Hemopump: clinical experience (Dreyfus) 1996;61:323–8*

Mechanical bridge to transplantation: when is too early? When is too late? (Loisance, Pouillart, & others) 1996;61: 388–90*

Mechanical circulatory support with the Thoratec assist device in patients with postcardiotomy cardiogenic shock (Körfer, El-Banayosy, & others) 1996;61:314–6*

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Transcaval closure of sinus venosus defect with butterfly-shaped single patch (Victor & Nayak) 1996;61:1293–4,CP

Smooth muscle, vascular

Effect of temperature in long-term preservation of vascular endothelial and smooth muscle function (Ingemansson, Budrikis, & others) 1996;61:1413–7*

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South America

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Cerebral oxygenation measured by near-infrared spectroscopy: comparison with jugular bulb oximetry (Daubeney, Pilkington, & others) 1996;61:930–4*

Spinal cord injuries

Coronary operations in patients with spinal cord injury (Walker, Evans, & others) 1996;61:789–94*

Effect of nitroglycerin on spinal cord ischemia after thoracic aortic cross-clamping (Simpson, Eide, & others) 1996;61: 113–7*

Spinal neoplasms

En bloc resection of lung cancer invading the spine (Grunenwald, Mazel, & others) 1996;61:1878–9,CP

Splints

Resinous plate for permanent sternal splinting in patients with extracardiac conduits (Kawauchi, Furuse, & others) 1996;61:1245–6,CR

Stainless steel

Improved sternal closure using steel bands: early experience with three-year follow-up (Soroff, Hartman, & others) 1996;61:1172–6*

Stents

Endobronchial stents (Kohman) 1996;61:777,CP

Management of malignant tracheobronchial stenosis with metal stents and Dumon stents (Tojo, Iioka, & others) 1996;61:1074–8*

Wire stent for tracheomalacia in a five-year-old girl (Bousamra, Tweddell, & others) 1996;61:1239–40,CR

Sterilization

Retention of endothelium-dependent properties in human mammary arteries after cryopreservation (Pompilio, Polvani, & others) 1996;61:667–73*

Sternectomy

Bone heterograft for chest wall reconstruction after sternal resection (Puma, Avenia, & others) 1996;61:525–9*

Sternoclavicular joint

Posterior dislocation of the sternoclavicular joint leading to mediastinal compression (Jougon, Lepront, & Dromer) 1996;61:711–3,CR

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Closed drainage using Redon catheters for local treatment of poststernotomy mediastinitis (Calvat, Trouillet, & others) 1996;61:195–201*

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Stable osteosynthesis after median sternotomy (Kollar, Stiegel, & Selle) 1996;61:1585–6,CP; Reply (Chlosta & Elefteriades) 1996;61:1586,CP

Sternum
Aminoglycoside toxicity after sternal wound irrigations (Hernandez, Kerns, & Teague) 1996;61:772,CP
Primary repair of complete sternal cleft with pectoralis major muscle flaps (Snyder, Robbins, & Ramos) 1996;61:983–4,CR
Primary sternal closure and mediastinal decompression by inlay autologous rib grafts (Geiger, Tabak, & Aronstam) 1996;61:215–6,CR
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Resinous plate for permanent sternal splinting in patients with extracardiac conduits (Kawauchi, Furuse, & others) 1996;61:1245–6,CR
Steroids
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Stomach neoplasms
Esophagectomy for carcinoma in the octogenarian (Adam, Craig, & others) 1996;61:190–4*
Subclavian artery
Left subclavian artery bypass graft in complicated arterial switch operation (Han, Lee, & others) 1996;61:1523–5,CR
Subclavian vein
Subclavian vein cannulation: an approach with definite landmarks (Tripathi & Tripathi) 1996;61:238–40,HW
Surface-active agents
Therapy for lung failure using nitric oxide inhalation and surfactant replacement (Strüber, Brandt, & others) 1996;61:1543–5,CR
Surgery
Point/counterpoint, surgical aspect (Hill) 1996;61:490–2*
Surgery, cardiovascular
Development of subneopulmonary obstruction early after arterial switch operation in an adult (Alexi-Meskishvile, Uhlemann, & others) 1996;61:1518–20,CR
Left subclavian artery bypass graft in complicated arterial switch operation (Han, Lee, & others) 1996;61:1523–5,CR
Maze procedure and anomalous coronary artery repair (Kobayashi, Kosakai, & Kawashima) 1996;61:1008–11,CR
Mortality and neurologic morbidity after repair of traumatic aortic disruption (Nicolosi, Almassi, & others) 1996;61:875–8*
Selective cerebral perfusion technique during aortic arch repair in neonates (Asou, Kado, & others) 1996;61:1546–8,HW
Technique for extraanatomic bypass in complex aortic coarctation (Barron, Lamb, & others) 1996;61:241–4,HW
Surgery, lung
Evolution of bronchus-first technique (Hurt) 1996;61:1585,CP; Reply (Grismer & Read) 1996;61: 1585,CP
Inhaled nitric oxide as an adjunct to pulmonary thromboendarterectomy (Pinelli, Mertes, & others) 1996;61:227–9,CR
Isolated incisional recurrence after curative resection for primary lung cancer (Yokoi, Miyazawa, & Imura) 1996;61:1236–7,CR
Late contralateral lobectomy after single-lung transplantation for emphysema (Le Pimpec-Barthes, Debrosse, & others) 1996;61:231–4,CR
Long-term survival after bronchial sleeve resection: univariate and multivariate analyses (Van Schil, de la Rivière, & others) 1996;61:1087–91*
Lung volume reduction surgery: lessons learned (Miller, Lee, & Mansour) 1996;61:1464–9*
Mainstem bronchial sleeve resection with pulmonary preservation (Cerfolio, Deschamps, & others) 1996;61:1458–63*
Massive endobronchial hemorrhage after pulmonary embolectomy (Shimokawa, Uehara, & others) 1996;61:1241–2,CR
Mid-term results of pulmonary thromboendarterectomy for chronic thromboembolic pulmonary hypertension (Mayer, Dahm, & others) 1996;61:1788–92*
Multimodality therapy in stage III non–small cell lung cancer (Edelman, Gandara, & others) 1996;61:1564–72,CV
Pneumonectomy for chronic infection: fraught with danger? (Munro & Wilson) 1996;61:280,CP; Reply (Reed) 1996;61:280,CP
Preoperative assessment of the high-risk patient for lung resection (Pate, Tenholder, & others) 1996;61:1494–500*
Pulmonary endothelial permeability changes after major lung resection (Waller, Keavey, & others) 1996;61:1435–40*
Resection of an unsuspected primary pulmonary choriocarcinoma (Canver & Voytovich) 1996;61:1249–51,CR
Resection of multiple pulmonary metastases from a recurrent intracranial meningioma (Murrah, Ferguson, & others) 1996;61:1823–4,CR
Results of surgical treatment of patients with T3 non–small cell lung cancer (Nakahashi, Yasumoto, & Sugimachi) 1996;61:273–4,UP
Surgical therapy of pulmonary arterial aneurysms in Behçet's syndrome (Tüzün, Hamuryudan, & others) 1996;61:733–5,CR
Unilateral video-assisted thoracic surgical lung reduction (Naunheim, Keller, & others) 1996;61:1092–8*
Unsuspected lung cancer found in work-up for lung reduction operation (Pigula, Keenan, & others) 1996;61:174–6*
Use of the Heimlich valve to shorten hospital stay after lung reduction surgery for emphysema (McKenna, Fischel, & others) 1996;61:1115–7*
Usefulness of ultrasonography in operation for pulmonary arteriovenous fistula (Sugita, Aikawa, & others) 1996;61:1821–3,CR
Value of perioperative Doppler echocardiography in patients undergoing major lung resection (Amar, Burt, & others) 1996;61:516–20*
Verapamil as prophylactic treatment for atrial fibrillation after lung operations (Van Mieghem, Tits, & others) 1996;61:1083–6*
In vitro study of ablated lung tissue in Nd:YAG laser irradiation (Sawabata, Nezu, & others) 1996;61:164–9*
Surgery, operative
Circulatory arrest in a reoperation for brachiocephalic arterial occlusive disease (Bastounis, Hadjinikolaou, & others) 1996;61:1259–61,CR
Coronary reoperation via small laparotomy using right gastroepiploic artery without CPB (Grandjean, Mariani, & Ebels) 1996;61:1853–5,HW
Midterm angiographic study of five recycled mammary arteries during four coronary redos (Antona, Parolari, & others) 1996;61:702–5*
Repeat cardiac operation in a patient with osteogenesis imperfecta (Cusimano) 1996;61:1294,CP
Surgical equipment
Internal thoracic artery holder for coronary artery bypass grafting (Satoh, Miyamoto, & others) 1996;61:1269–70,HW
Simple, cost-efficient valve suture organizer (Sandeep & Nair) 1996;61:1850,HW
Surgical flaps
Late aneurysm after subclavian flap aortoplasty for coarctation of the aorta (Kino, Sano, & others) 1996;61:1262–4,CR

Pericardial repair after extensive resection: another use for the pedicled diaphragmatic flap (Goldstraw & Jiao) 1996;61:1112–4*
Pleural slide technique for covering the left bronchial stump (Berrisford & Mercer) 1996;61:1876–7,CP; Reply (Miller) 1996;61:1877,CP
Primary repair of complete sternal cleft with pectoralis major muscle flaps (Snyder, Robbins, & Ramos) 1996;61:983–4,CR
Transcaval closure of sinus venosus defect with butterfly-shaped single patch (Victor & Nayak) 1996;61:1293–4,CP

Surgical sponges
Retained sponge after thoracotomy that mimicked aspergilloma (Nomori, Horio, & others) 1996;61:1535–6,CR

Surgical wound dehiscence
Pneumothorax and wound dehiscence related to collagenase deregulation: treatment with diphenylhydantoin (O'Toole, Kolb, & others) 1996;61:1646–50*

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Mycoplasma hominis infections occuring in cardiovascular surgical patients (Sielaff, Everett, & others) 1996;61:99–103*
Postoperative mediastinitis: classification and management (El Oakley & Wright) 1996;61:1030–6,CV

Survival analysis
Long-term survival after bronchial sleeve resection: univariate and multivariate analyses (Van Schil, de la Rivière, & others) 1996;61:1087–91*

Suture techniques
Lateral tunnel suture line variation reduces atrial flutter after the modified Fontan operation (Gandhi, Bromberg, & others) 1996;61:1299–309*
Peri-infarct pursestring for repair of subacute cardiac rupture (John & O'Riordan) 1996;61:728–30,CR
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Sutures
Pathologic aspects of polytetrafluoroethylene sutures in human heart (Minatoya, Okabayashi, & others) 1996;61:883–7*

Tachycardia
Amiodarone for ventricular tachycardia after coronary artery bypass grafting (Wood) 1996;61:1874,CP; Reply (Terada, Mitsui, & Yamaguchi) 1996;61:1874,CP

Tachycardia, supraventricular
Symptomatic tachydysrhythmias after esophagectomy: incidence and outcome measures (Amar, Burt, & others) 1996;61:1506–9*

Temperature
Effect of temperature in long-term preservation of vascular endothelial and smooth muscle function (Ingemansson, Budrikis, & others) 1996;61:1413–7*
Effects of cardiopulmonary bypass temperature on pulmonary gas exchange after coronary artery operations (Birdi, Regragui, & others) 1996;61:118–23*
Normothermic techniques during open heart operations (Birdi, Izzat, & others) 1996;61:1573–80,CV

Tetralogy of Fallot
Anomalous coronary artery in tetralogy (Litwin) 1996;61:1879,CP; Reply (Davis) 1996;61:1879,CP
Anomalous course of the left main coronary artery in tetralogy of Fallot (Davis, Teske, & others) 1996;61:229–31,CR
Indication and technique of total correction of tetralogy of Fallot in 228 patients (Wu) 1996;61:1769–74*
Results of total correction of tetralogy of Fallot performed in adults (Presbitero, Prever, & others) 1996;61:1870–3,UP
Staged repair of tetralogy of Fallot and pulmonary atresia without central pulmonary arteries (Toyoda, Yamaguchi, & others) 1996;61:210–3,CR

Theobromine
Pentoxifylline in flush solution improves early lung allograft function (Yamashita, Schmid, & others) 1996;61:1055–61*

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Thigh ischemia complicating femoral vessel cannulation for cardiopulmonary bypass (Gates, Bichell, & others) 1996;61:730–3,CR

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Flow reserve capacity of left internal thoracic artery 23 years after Vineberg procedure (Nasu, Akasaka, & others) 1996;61:1242–4,CR
Internal thoracic artery graft function during exercise assessed by transthoracic Doppler echography (Takemura, Kawasuji, & others) 1996;61:914–9*
Midterm angiographic study of five recycled mammary arteries during four coronary redos (Antona, Parolari, & others) 1996;61:702–5*
Retention of endothelium-dependent properties in human mammary arteries after cryopreservation (Pompilio, Polvani, & others) 1996;61:667–73*
Right internal thoracic artery through the transverse sinus in myocardial revascularization (Gerola, Puig, & others) 1996;61:1708–13*
Skeletonized and pedicled internal thoracic artery grafts: effect on free flow during bypass (Choi & Lee) 1996;61:909–13*

Thoracic injuries
Mitral valve injury after blunt chest trauma (McDonald, Orszulak, & others) 1996;61:1024–9,CV
Penetrating thoracic trauma in a pediatric population (Reinhorn, Kaufman, & others) 1996;61:1501–5*

Thoracic outlet syndrome
First-rib exostosis bursa (Gupta, Gaikwad, & others) 1996;61:219–20,CR

Thoracic surgery
Bone heterograft for chest wall reconstruction after sternal resection (Puma, Avenia, & others) 1996;61:525–9*
The bright future of cardiothoracic surgery in the era of changing healthcare delivery (Grover) 1996;61:499–510,PA
Chest wall constriction after too extensive and too early operations for pectus excavatum (Haller, Colombani, & others) 1996;61:1618–25*
En bloc resection of lung cancer invading the spine (Grunenwald, Mazel, & others) 1996;61:1878–9,CP
Inhaled nitric oxide: therapeutic applications in cardiothoracic surgery (Fullerton & McIntyre) 1996;61:1856–64,CV
Metamorphosis (Benfield) 1996;61:1045–50,PA
Successful complete tracheal resection in a three-month-old infant (Jacobs, Haw, & others) 1996;61:1824–7,CR
Surgical treatment of systemic atheroembolism from the thoracic aorta (Bojar, Payne, & others) 1996;61:1389–93*

Thoracic Surgery Directors Association Award
Lateral tunnel suture line variation reduces atrial flutter after the modified Fontan operation (Gandhi, Bromberg, & others) 1996;61:1299–309*

Thoracoscopy
Colored collagen is a long-lasting point marker for small pulmonary nodules in thoracoscopic operations (Nomori & Horio) 1996;61:1070–3*
Complications of thoracoscopy (Krasna, Deshmukh, & McLaughlin) 1996;61:1066–9*

Thoracoscopy (cont'd)
En bloc and standard esophagectomies by thoracoscopy (Collard) 1996;61:769–70,UP
Selective lung ventilation during thoracoscopy: effects of insufflation on hemodynamics (Hill, Jones, & others) 1996;61:945–8*
Thoracoscopic exposure of intervertebral discs (Ikard & McCord) 1996;61:1267–8,HW
Thoracoscopic obliteration of the left atrial appendage: potential for stroke reduction? (Odell, Blackshear, & others) 1996;61:565–9*
Video-assisted thoracoscopic resection of pulmonary sequestration in an infant (Mezzetti, Dell'Agnola, & others) 1996;61:1836–8,CR

Thoracotomy
Complete repair of PA-VSD with diminutive or discontinuous pulmonary arteries by transverse thoracosternotomy (Moritz, Marx, & others) 1996;61:646–50*
Left anterior descending coronary artery grafting via left anterior small thoracotomy without cardiopulmonary bypass (Calafiore, Di Giammarco, & others) 1996;61:1658–65*
Left thoractomy for distal tracheal repair (Chen & Ott) 1996;61:1819–21,CR
Retained sponge after thoracotomy that mimicked aspergilloma (Nomori, Horio, & others) 1996;61:1535–6,CR
Transaxillary minithoracotomy versus video-assisted thoracic surgery for spontaneous pneumothorax (Kim, Kim, & others) 1996;61:1510–2*
VATS debridement versus thoracotomy in the treatment of loculated postpneumonia empyema (Mackinlay, Lyons, & others) 1996;61:1626–30*

Thorax
Chest wall constriction after too extensive and too early operations for pectus excavatum (Haller, Colombani, & others) 1996;61:1618–25*

Thrombocytopenia
Cardiopulmonary bypass in patients with heparin-induced thrombocytopenia using Org 10172 (Wilhelm, Schmid, & others) 1996;61:920–4*

Thromboembolism
Discussion of thromboembolism and bleeding (Hetzer & Portner) 1996;61:378–9*
Insights into thromboembolism and bleeding (Addonizio) 1996;61:374–5*
Mid-term results of pulmonary thromboendarterectomy for chronic thromboembolic pulmonary hypertension (Mayer, Dahm, & others) 1996;61:1788–92*
Thromboembolism and bleeding: clinical strategies (Copeland) 1996;61:376–7*

Thrombosis
Inhaled nitric oxide as an adjunct to pulmonary thromboendarterectomy (Pinelli, Mertes, & others) 1996;61:227–9,CR

Thromboxanes
Thromboxane receptor blockade improves oxygenation in an experimental model of acute lung injury (Thies, Corbin, & others) 1996;61:1453–7*

Thymoma
Surgical treatment for invasive thymoma, especially when the superior vena cava is invaded (Yagi, Hirata, & others) 1996;61:521–4*

Tissue preservation
Effect of temperature in long-term preservation of vascular endothelial and smooth muscle function (Ingemansson, Budrikis, & others) 1996;61:1413–7*

Tomography, X-ray computed
Brain metastasis in resected lung cancer: value of intensive follow-up with computed tomography (Yokoi, Miyazawa, & Arai) 1996;61:546–51*

Trachea
Left thoracotomy for distal tracheal repair (Chen & Ott) 1996;61:1819–21,CR
Tracheobronchial lacerations after intubation and tracheostomy (Massard, Rougé, & others) 1996;61:1483–7*

Tracheal diseases
Wire stent for tracheomalacia in a five-year-old girl (Bousamra, Tweddell, & others) 1996;61:1239–40,CR

Tracheal stenosis
Management of malignant tracheobronchial stenosis with metal stents and Dumon stents (Tojo, Iioka, & others) 1996;61:1074–8*
Successful complete tracheal resection in a three-month-old infant (Jacobs, Haw, & others) 1996;61:1824–7,CR

Tracheoesophageal fistula
Repair of tracheogastric fistula after cervical exenteration (Trachiotis & Hix) 1996;61:719–21,CR

Tracheostomy
Tracheobronchial lacerations after intubation and tracheostomy (Massard, Rougé, & others) 1996;61:1483–7*

Transplantation, autologous
Autologous monocusp pulmonay valve: preliminary results (Mishaly, Birk, & others) 1996;61:1811–5*
Autologous tissue cardiac valve for aortic valve replacement: technical aspects and early results (Gross, Simon, & others) 1996;61:1759–63*
Pulmonary autograft in ventricular septal defect–aortic insufficiency complex (Schoof, Hazekamp, & Huysmans) 1996;61:1005–6,CR
Pulmonary autografts in patients with aortic annulus dysplasia (Elkins, Knott-Craig, & Howell) 1996;61:1141–5*
The use of autologous pericardium for ventricular aneurysm closure (Fiore, Misbach, & others) 1996;61:271–2,UP
Ventricular septal aneurysm after atrioventricular septal repair with pericardium (Burkhart, Moody, & others) 1996;61:1838–9,CR

Transplantation, heterologous
Bone heterograft for chest wall reconstruction after sternal resection (Puma, Avenia, & others) 1996;61:525–9*

Transplantation, homologous
Dissection of an allograft ascending aorta after aortic root replacement (Smith, McKenzie, & Davis) 1996;61:1011–2,CR
Early pulmonary homograft failure from dilatation due to distal pulmonary artery stenosis (DeLeon, Tuchek, & others) 1996;61:234–7,CR
Lidocaine reduces reperfusion injury and neutrophil migration in canine lung allografts (Schmid, Yamashita, & others) 1996;61:949–55*
Modified Blalock-Taussig shunt using allograft saphenous vein: six years' experience (Bogáts, Kertész, & others) 1996;61:58–62*
Using aortic allograft material to treat mycotic aneurysms of the thoracic aorta (Knosalla, Weng, & others) 1996;61:1146–52*

Transposition of great vessels
Left subclavian artery bypass graft in complicated arterial switch operation (Han, Lee, & others) 1996;61:1523–5,CR
Surgical repair of transposition of the great arteries in neonates with persistent pulmonary hypertension (Luciani, Chang, & Starnes) 1996;61:800–5*

Transposition of the great arteries complicated by tricuspid valve incompetence (Carrel, Serraf, & others) 1996;61: 940–4*

Tricuspid valve

Blood cyst of the tricuspid valve (Sim, Wong, & others) 1996;61:1012–3,CR

Closure of a patent foramen ovale and tricuspid valve replacement after heart transplantation (Weston, Vijayanagar, & Sastry) 1996;61:717–9,CR

Traumatic tricuspid valve injury: leaflet resuspension repair (Bolton) 1996;61:721–2,CR

Tricuspid valve insufficiency

Transposition of the great arteries complicated by tricuspid valve incompetence (Carrel, Serraf, & others) 1996;61: 940–4*

Traumatic tricuspid regurgitation with cyanosis: diagnosis by transesophageal echocardiography (Chiu, Shindler, & others) 1996;61:992–3,CR

Triiodothyronine

Triiodothyronine therapy lowers the incidence of atrial fibrillation after cardiac operations (Klemperer, Klein, & others) 1996;61:1323–9*

Troponin

Cardiac troponin I release in heart transplantation (Hossein-Nia, Holt, & others) 1996;61:277–8,CP; Reply (Etievent & Chocron) 1996;61:278,CP

Troponin-T in cardiac surgery (Taggart, Hadjinikolaou, & others) 1996;61:1040–1,CP; Reply (Pelletier, Carrier, & others) 1996;61:1041,CP

Truncus arteriosus

Anterior pulmonary translocation without conduit for the repair of truncus arteriosus (Nakae, Kawada, & others) 1996;61:990–2,CR

Truncus arteriosus with total anomalous pulmonary venous return and interrupted arch (Berdjis, Wells, & Starnes) 1996;61:220–2,CR

Trypanosomiasis, South American

Heart transplantation for chronic Chagas' heart disease (Bocchi, Bellotti, & others) 1996;61:1727–33*

Tuberculosis, pulmonary

Pulmonary artery reconstruction for tuberculosis (Cohen, Beaconsfield, & others) 1996;61:1257–9,CR

Tumor necrosis factor

Isolated lung perfusion with tumor necrosis factor for pulmonary metastases (Pass, Mew, & others) 1996;61:1609–17*

Ubiquinone

Effects of short-term supplementation with coenzyme Q10 on myocardial protection during cardiac operations (Taggart, Jenkins, & others) 1996;61:829–33*

Ultrafiltration

Efficacy of ultrafiltration in removing inflammatory mediators during pediatric cardiac operations (Wang, Chiu, & others) 1996;61:651–6*

Ultrasonic diagnosis

Endoscopic ultrasound with fine-needle aspiration in the diagnosis and staging of lung cancer (Silvestri, Hoffman, & others) 1996;61:1441–6*

Ultrasonics

Assessment of right ventricular function in swine using sonomicrometry and conductance (Nicolosi, Hettrick, & Warltier) 1996;61:1381–8*

Usefulness of ultrasonography in operation for pulmonary arteriovenous fistula (Sugita, Aikawa, & others) 1996;61: 1821–3,CR

United States Food and Drug Administration

Discussion of FDA regulation of medical devices (Pae & Copeland) 1996;61:493–8*

FDA perspective (Burlington) 1996;61:482–4*

Industry perspective on FDA regulation of medical devices and the practice of medicine (Tandy) 1996;61:485–6*

Point/counterpoint, legal perspective (Flannery) 1996;61: 487–9*

Point/counterpoint, surgical aspect (Hill) 1996;61:490–2*

Updates

Contralateral pneumonectomy after single-lung transplantation for emphysema (Novick, Gehman, & others) 1996;61: 1286–7,UP

En bloc and standard esophagectomies by thoracoscopy (Collard) 1996;61:769–70,UP

Long-term results of mitral valve surgery in patients with severe pulmonary hypertension (Aris & Cámara) 1996;61: 1583–4,UP

Results of surgical treatment of patients with T3 non–small cell lung cancer (Nakahashi, Yasumoto, & Sugimachi) 1996;61:273–4,UP

Results of total correction of tetralogy of Fallot performed in adults (Presbitero, Prever, & others) 1996;61:1870–3,UP

The use of autologous pericardium for ventricular aneurysm closure (Fiore, Misbach, & others) 1996;61:271–2,UP

Valves

Use of the Heimlich valve to shorten hospital stay after lung reduction surgery for emphysema (McKenna, Fischel, & others) 1996;61:1115–7*

Valvotomy

Closed mitral valvotomy: tactile control (Neelakandan) 1996; 61:775–6,CP

Vascular diseases

Vascular complications of lung transplantation (Clark, Levine, & others) 1996;61:1079–82*

Vascular resistance

Mid-term results of pulmonary thromboendarterectomy for chronic thromboembolic pulmonary hypertension (Mayer, Dahm, & others) 1996;61:1788–92*

Vascular surgery

Pulmonary artery reconstruction for tuberculosis (Cohen, Beaconsfield, & others) 1996;61:1257–9,CR

Vasoconstriction

Pulmonary vasoconstriction due to impaired nitric oxide production after cardiopulmonary bypass (Morita, Ihnken, & others) 1996;61:1775–80*

Vena cava, inferior

Pheochromocytomas with extension into central vascular structures (Rötker, Oberpennig,, & others) 1996;61:222–4,CR

Vena cava, superior

Coronary sinus ostial atresia with persistent left superior vena cava (Santoscoy, Walters, & others) 1996;61:879–82*

Mediastinoscopy and superior vena caval obstruction (Mineo) 1996;61:275–6,CP

Surgical treatment for invasive thymoma, especially when the superior vena cava is invaded (Yagi, Hirata, & others) 1996;61:521–4*

Ventilation

Selective lung ventilation during thoracoscopy: effects of insufflation on hemodynamics (Hill, Jones, & others) 1996; 61:945–8*

Two-patch repair of atrioventricular canal (Tędziagolska) 1996;61:1589,CP; Reply (Backer) 1996;61:1589–90,CP

Ventricular fibrillation
Neonatal myocardial oxygen consumption during ventricular fibrillation, hypothermia, and potassium arrest (Jessen, Abd-Elfattah, & Wechsler) 1996;61:87–7*
Potassium conversion of ventricular fibrillation (Robicsek) 1996;61:275,CP; Reply (Øvrum & Tangen) 1996;61:275,CP
Ventricular outflow obstruction
Development of subneopulmonary obstruction early after arterial switch operation in an adult (Alexi-Meskishvile, Uhlemann, & others) 1996;61:1518–20,CR
Right ventricular obstruction in aortic dissection: a mechanism of hemodynamic collapse (Downey, Austin, & others) 1996;61:988–90,CR
Verapamil
Use of verapamil and nitroglycerin solution in preparation of radial artery for coronary grafting (He & Yang) 1996;61:610–4*
Verapamil as prophylactic treatment for atrial fibrillation after lung operations (Van Mieghem, Tits, & others) 1996;61:1083–6*
Vertebrectomy
Total vertebrectomy for en bloc resection of lung cancer invading the spine (Grunenwald, Mazel, & others) 1996;61:723–6,CR
Video-assisted thoracic surgery
Complications and failures of video-assisted thoracic surgery: experience from two centers in Asia (Yim & Liu) 1996;61:538–41*
Complications of video-assisted thoracic surgery: a five-year experience (Jancovici, Lang-Lazdunski, & others) 1996;61:533–7*
Immediate long-term results after surgical treatment of primary spontaneous pneumothorax by VATS (Bertrand, Regnard, & others) 1996;61:1641–5*
Resection of pulmonary nodules using video-assisted thoracic surgery (Bernard & The Thorax Group) 1996;61:202–5*
Transaxillary minithoracotomy versus video-assisted thoracic surgery for spontaneous pneumothorax (Kim, Kim, & others) 1996;61:1510–2*
Unilateral video-assisted thoracic surgical lung reduction (Naunheim, Keller, & others) 1996;61:1092–8*
VATS debridement versus thoracotomy in the treatment of loculated postpneumonia empyema (Mackinlay, Lyons, & others) 1996;61:1626–30*
Video-assisted mitral valve operations (Lin, Chang, & others) 1996;61:1781–7*
Video-assisted thoracoscopic resection of pulmonary sequestration in an infant (Mezzetti, Dell'Agnola, & others) 1996;61:1836–8,CR
Vocal chord paralysis
Incidence of vocal fold paralysis in infants undergoing ligation of patent ductus arteriosus (Zbar, Chen, & others) 1996;61:814–6*

Whole blood coagulation time
Response of kaolin ACT to heparin: evaluation with an automated assay and higher heparin doses (Despotis, Alsoufiev, & others) 1996;61:795–9*
Wounds, nonpenetrating
Mitral valve injury after blunt chest trauma (McDonald, Orszulak, & others) 1996;61:1024–9,CV
Traumatic tricuspid regurgitation with cyanosis: diagnosis by transesophageal echocardiography (Chiu, Shindler, & others) 1996;61:992–3,CR
Wounds, penetrating
Cardiopulmonary bypass for resuscitation after penetrating cardiac trauma (Karmy-Jones, van Wijngaarden, & others) 1996;61:1244–5,CR
Esophageal perforation: emphasis on management (Bufkin, Miller, & Mansuor) 1996;61:1447–52*
Penetrating thoracic trauma in a pediatric population (Reinhorn, Kaufman, & others) 1996;61:1501–5*
Wounds, stab
Stab wounds of the innominate artery (Fulton, De Groot, & von Oppell) 1996;61:851–3*
Wounds and injuries
Aminoglycoside toxicity after sternal wound irrigations (Hernandez, Kerns, & Teague) 1996;61:772,CP
Left thoractomy for distal tracheal repair (Chen & Ott) 1996;61:1819–21,CR

Yttrium
Does blood flow through holmium:YAG transmyocardial laser channels? (Kohmoto, Fisher, & others) 1996;61:861–8*